FAT CHANCE OIL AND GAS, LLC

January 29, 2001

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

RE: Confidentiality of information: Crane 6-7

Attention:

Fat Chance Oil and Gas, LLC formally requests that submitted information on the Crane 6-7 be held confidential.

Your cooperation is appreciated.

Sincerely,

Casey Osborn
Operations Manager/Agent

211 North Robinson-One Leadership Square-12th Floor-Oklahoma City, OK 73102
850 Val Vista-Box 7370-Sheridan, WY 82801-Office 307-673-1500-Fax 307-673-1400

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

B. TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☐ MULTIPLE ZONE ☑

7. UNIT or CA AGREEMENT NAME:

2. NAME OF OPERATOR: Fat Chance Oil and Gas, LLC

8. WELL NAME and NUMBER: Crane 6-7

3. ADDRESS OF OPERATOR: PO Box 7370 CITY Sheridan STATE WY ZIP 82801

PHONE NUMBER: (307) 673-1500

9 FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 2125' FNL 1936' FWL 4568509 N 492911 E

AT PROPOSED PRODUCING ZONE: same **CONFIDENTIAL**

10. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 7 T6N R8E

13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 5 miles west of Evanston

11. COUNTY: Rich

12. STATE: UTAH

14. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET): 2875'

15. NUMBER OF ACRES IN LEASE: 52,395

16. NUMBER OF ACRES ASSIGNED TO THIS WELL: 160

17. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): 3250'

18. PROPOSED DEPTH: 5,000

19. BOND DESCRIPTION: Utah DOGM Surety #885588C

20. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 6833' GR

21. APPROXIMATE DATE WORK WILL START: 4/15/2001

22. ESTIMATED DURATION: 10 days

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4"	9 5/8" H-40 32.3#	500	G-Poz	250 sx	1.77	12.5# lead
				50sx	1.17	15.8" tail
8 3/4"	7" K-55 20#	5,000	G-35/65 Poz	150 sx	2.34	11# lead
				50 sx	1.27	14.2# tail

Loc. Agr. 5-25-01

24. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☑ COMPLETE DRILLING PLAN
☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☑ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Casey Osborn TITLE Operations Manager

SIGNATURE Casey Osborn DATE 1-29-01

(This space for State use only)

API NUMBER ASSIGNED: 43-033-30053 APPROVAL:

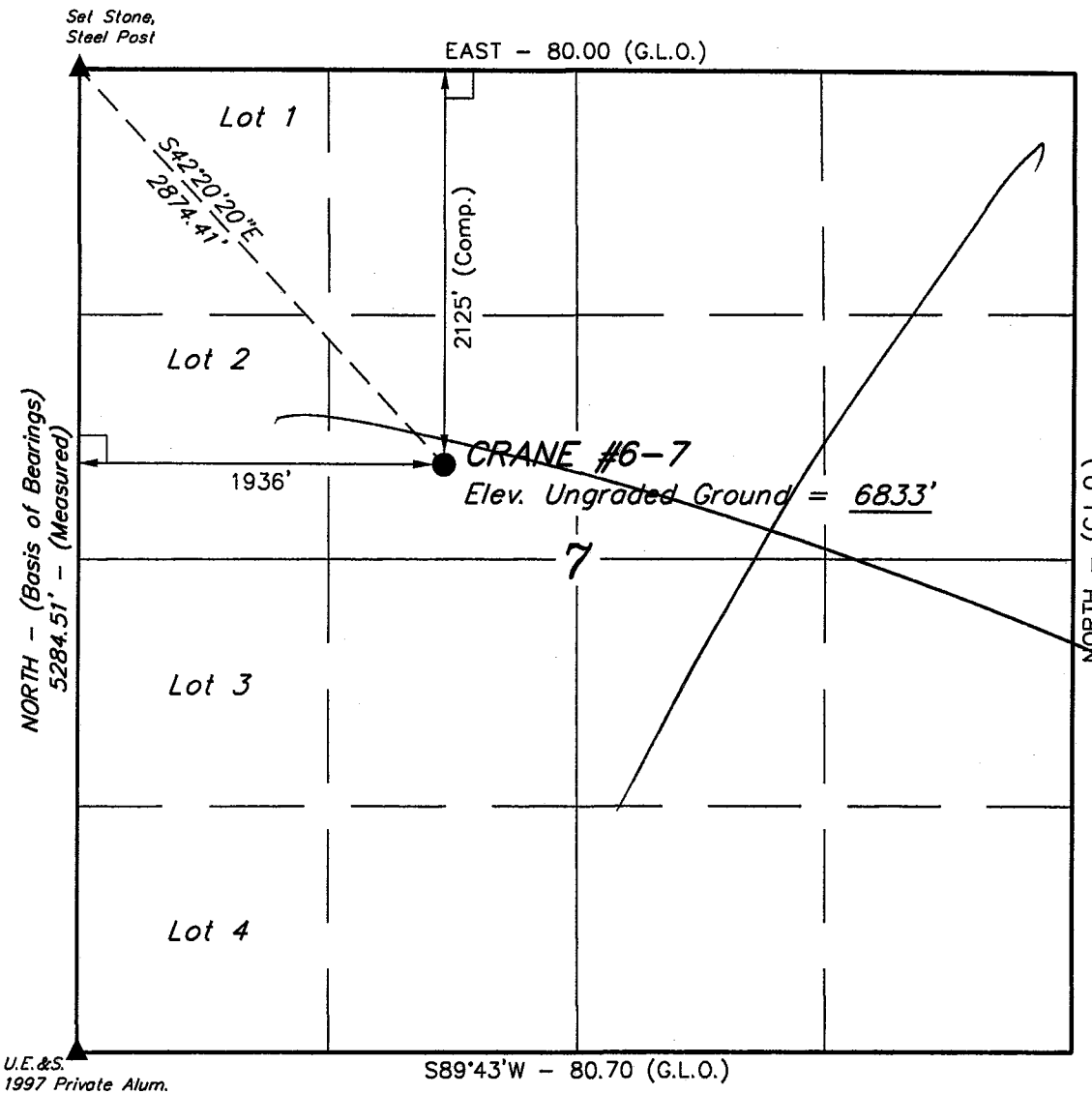
RECEIVED
FEB 23 2001
DIVISION OF
OIL, GAS AND MINING

(5/2000) (See Instructions on Reverse Side)

T6N, R8E, S.L.B.&M.

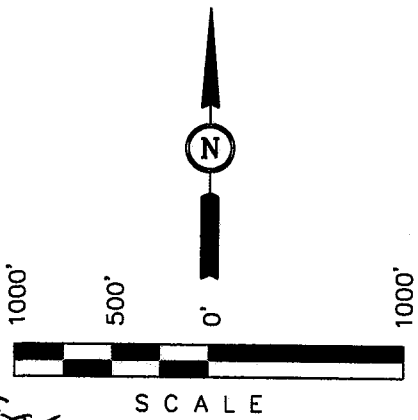
QUANECO, LLC

Well location, CRANE #6-7, located as shown in the SE 1/4 NW 1/4 of Section 7, T6N, R8E, S.L.B.&M., Rich County, Utah.



BASIS OF ELEVATION

SPOT ELEVATION LOCATED IN THE SW 1/4 OF SECTION 31, T7N, R8E, S.L.B.&M. TAKEN FROM THE MURPHY RIDGE QUADRANGLE, UTAH-WYOMING, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7184 FEET.



Loc Clg. 5-15-01

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

LEGEND:

└ = 90° SYMBOL
● = PROPOSED WELL HEAD.
▲ = SECTION CORNERS LOCATED.

LATITUDE = 41°16'12"
LONGITUDE = 111°05'04"

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE: 1" = 1000'	DATE SURVEYED: 1-11-01	DATE DRAWN: 1-19-01
PARTY: B.B. J.W D.COX	REFERENCES: G.L.O. PLAT	
WEATHER: COOL	FILE: QUANECO, LLC	

QUANECO, LLC.

CRANE #6-7

LOCATED IN RICH COUNTY, UTAH
SECTION 7, T6N, R8E, S.L.B.&M.

PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: SOUTHWESTERLY**

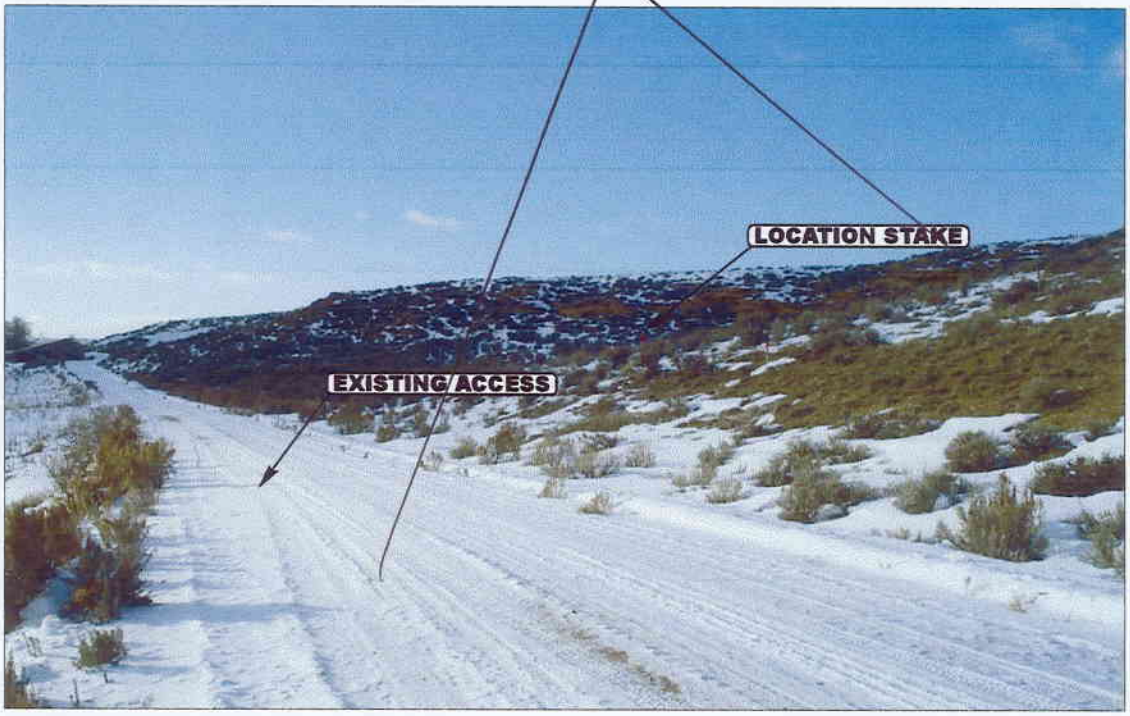


PHOTO: EXISTING ACCESS AT EDGE OF PAD **CAMERA ANGLE: NORTHWESTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	1 MONTH	18 DAY	01 YEAR	PHOTO
TAKEN BY: B.B.	DRAWN BY: K.G.	REVISED: 00-00-00		

QUANECO, LLC.

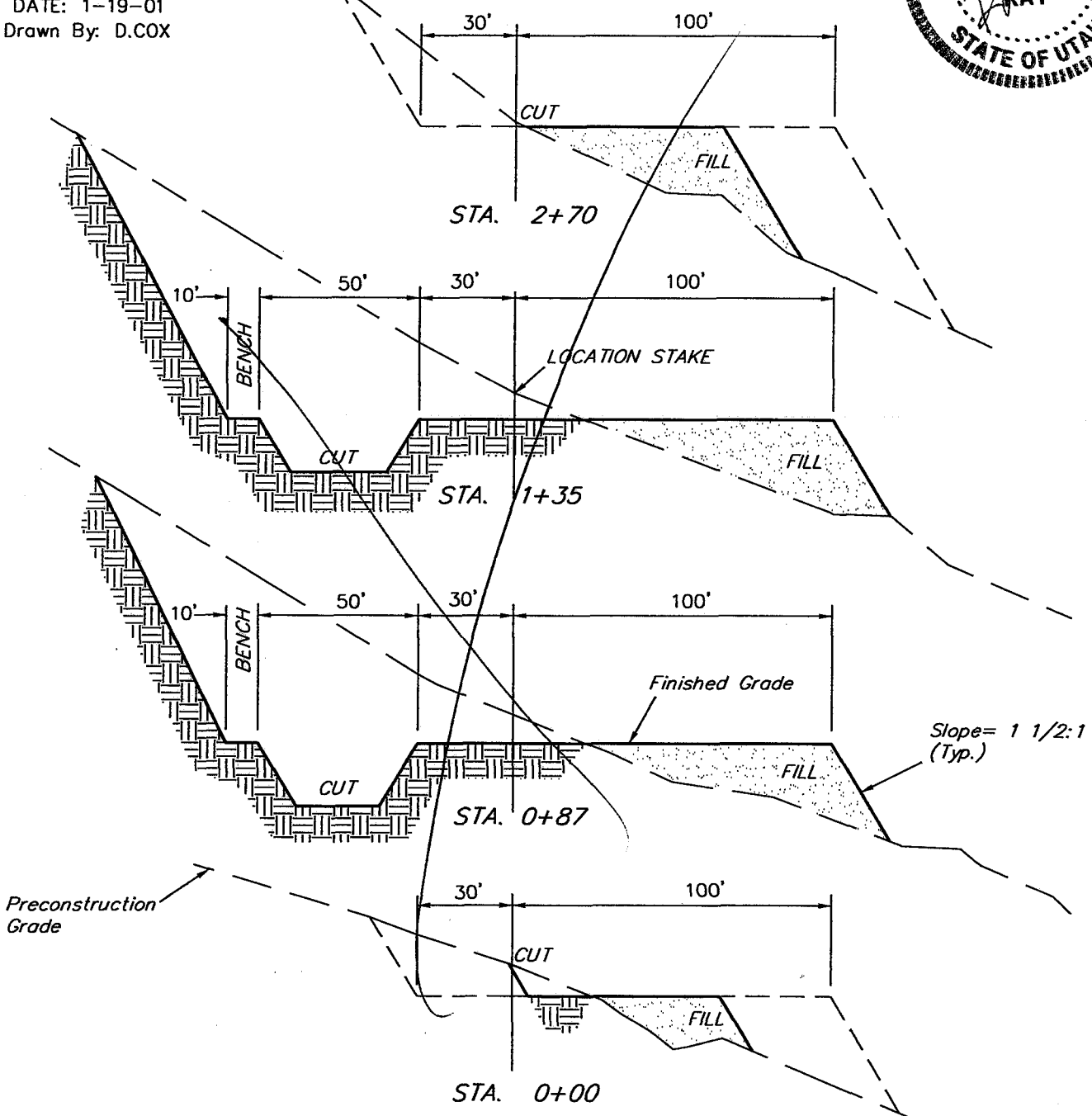
TYPICAL CROSS SECTIONS FOR

CRANE #6-7
SECTION 7, T6N, R8E, S.L.B.&M.
2125' FNL 1936' FWL

1" = 20'
X-Section Scale
1" = 50'

DATE: 1-19-01
Drawn By: D.COX

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH

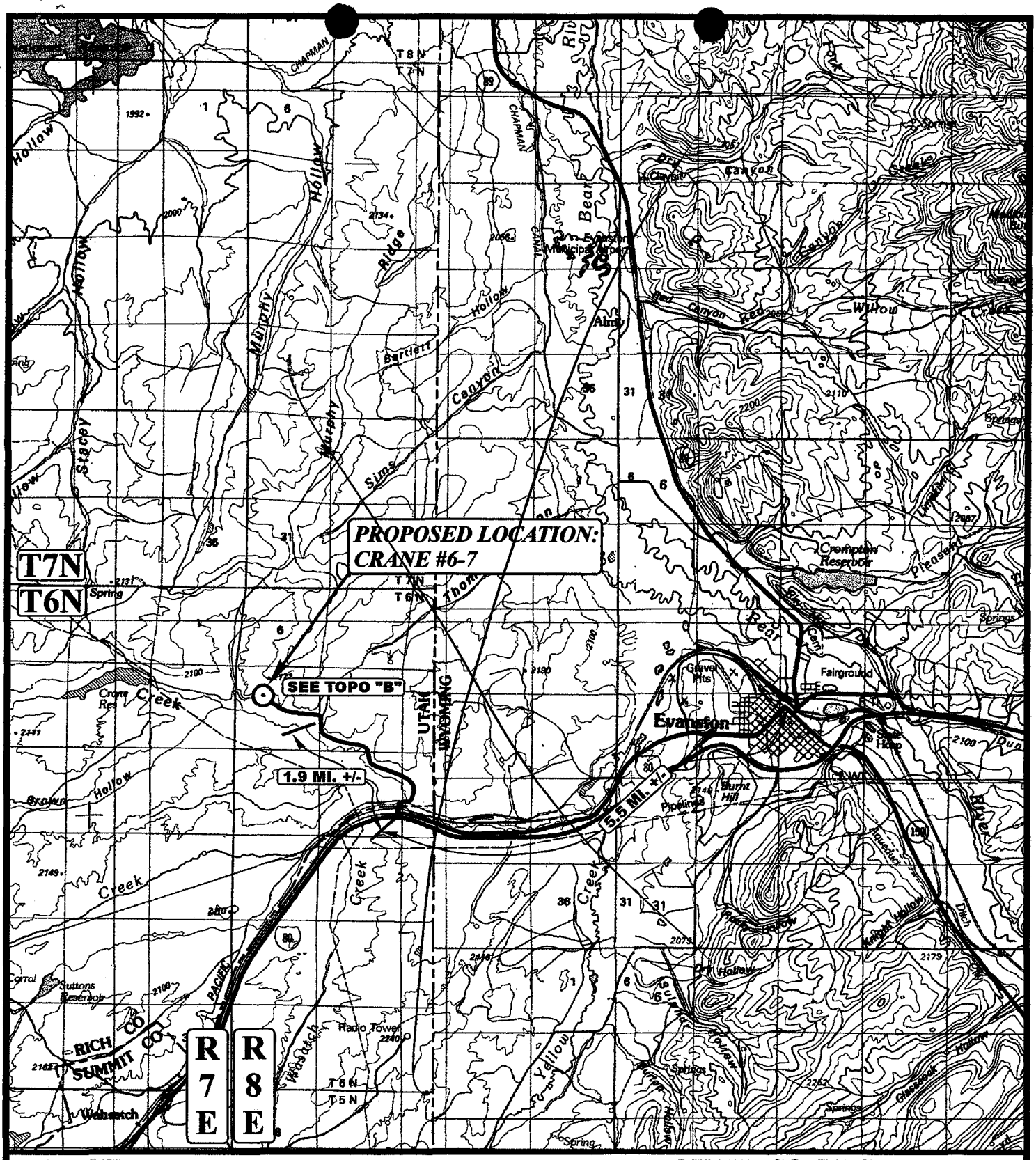


APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	750 Cu. Yds.
Remaining Location	=	8,180 Cu. Yds.
TOTAL CUT	=	8,930 CU.YDS.
FILL	=	7,460 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	=	1,080 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	1,080 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
*85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017*



LEGEND:

⊙ PROPOSED LOCATION

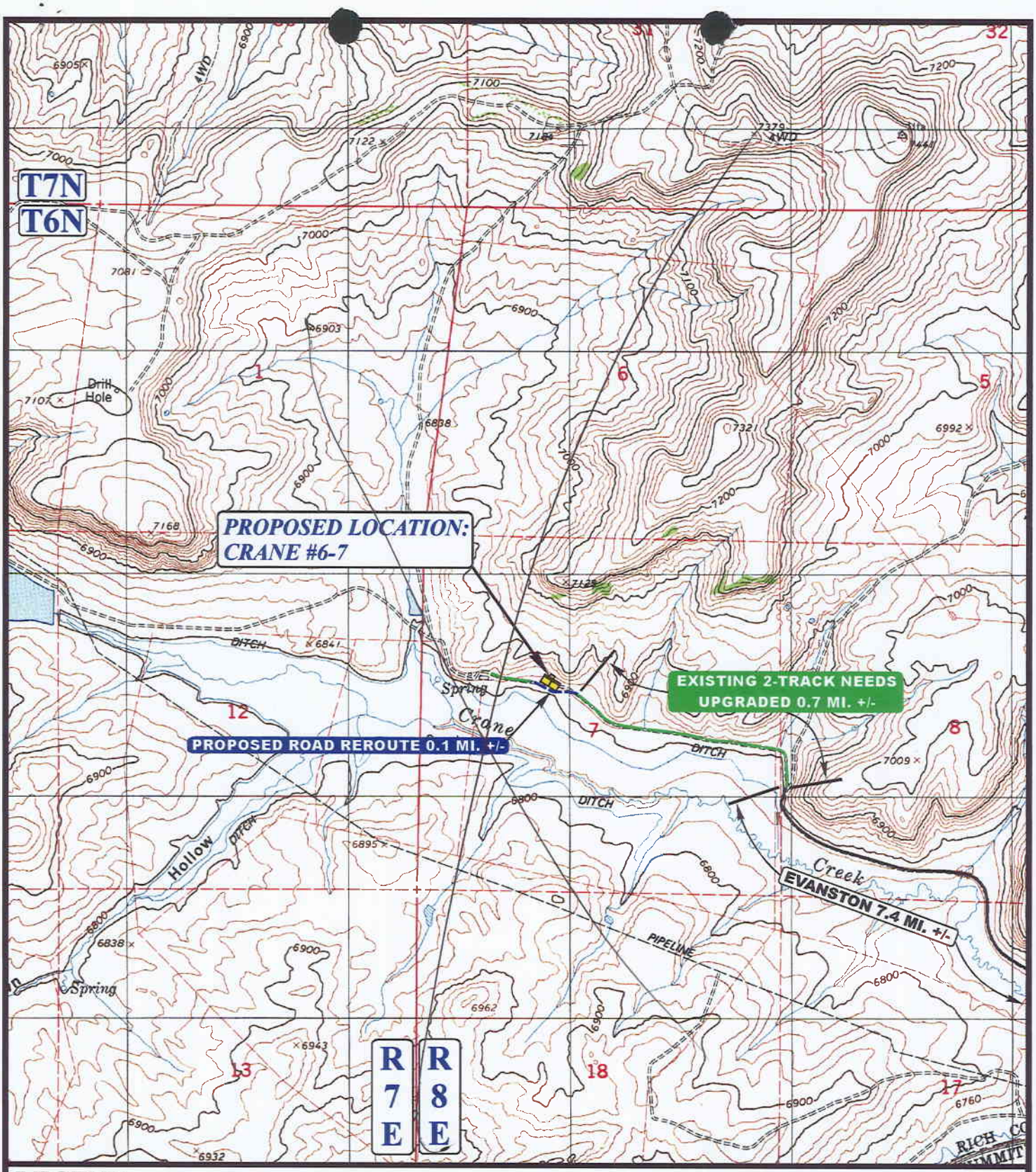
N

QUANECO, LLC.

CRANE #6-7
SECTION 7, T6N, R8E, S.L.B.&M.
2125' FNL 1936' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	1 MONTH	18 DAY	01 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: K.G.	REVISED: 00-00-00		



LEGEND:

PROPOSED ACCESS ROAD

EXISTING ROAD

N

QUANECO, LLC.

CRANE #6-7

SECTION 7, T6N, R8E, S.L.B.&M.

2125' FNL 1936' FWL

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078

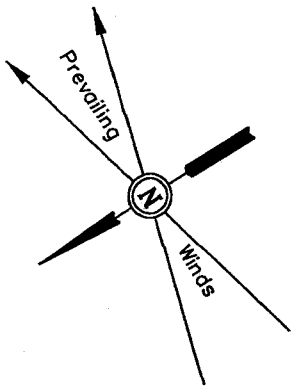
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	1 MONTH	18 DAY	01 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: K.G.	REVISED: 00-00-00		

QUANECO, LLC.

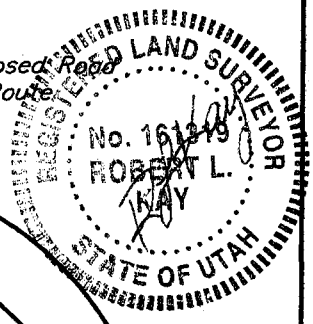
LOCATION LAYOUT FOR

CRANE #6-7
SECTION 7, T6N, R8E, S.L.B.&M.
2125' FNL 1936' FWL



SCALE: 1" = 50'
DATE: 1-19-01
Drawn By: D.COX

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.



Proposed Road Re-Route

Proposed Road Re-Route

C-9.7'
El. 39.2'

Topsoil Stockpile

F-18.2'
El. 11.3'

Sta. 2+70

C-0.6'
El. 30.1'

Round Corners As Needed

Approx. Toe of Fill Slope

Approx. Top of Cut Slope

Spoils Stockpile

FLARE PIT

DATA

CATWALK

135'

PIPE RACKS

El. 51.4'
C-29.9'
(btm. pit)

C-10.1'
El. 39.6'

C-3.2'
El. 32.7'

F-11.9'
El. 17.6'

DOG HOUSE

RIG

30'

100'

Sta. 1+35

50'

10'

Pit Capacity With 2' of Freeboard is ± 2,090 Bbls.

10' WIDE BENCH

70'

RESERVE PITS (8' Deep)

Sta. 0+87

MUD TANKS

WATER

TRAILER

PUMP

MUD SHED

TOILET

135'

75'

El. 50.2'
C-28.7'
(btm. pit)

El. 38.0'
C-8.5'

HOPPER

TRASH

POWER

Existing Drainage

FUEL

TOOLS

FUEL

Existing Road

Reserve Pit Backfill & Spoils Stockpile

STORAGE TANK

Sta. 0+00

El. 37.1'
C-7.6'

C-3.9'
El. 33.4'

F-11.1'
El. 18.4'

CONSTRUCT DIVERSION DITCH

Elev. Ungraded Ground at Location Stake = 6832.7'

Elev. Graded Ground at Location Stake = 6829.5'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

Fat Chance Oil and Gas, LLC

P.O. Box 7370
Sheridan WY 82801
307-673-1500 Phone
307-673-1400 Fax

February 22, 2001

Utah Division of Oil, Gas and Mining
ATTN: Lisha Cordova
1594 W. North Temple
Suite 1210
Salt Lake City UT 84114-5801

Dear Lisha:

This affidavit is to inform your office that a surface owner agreement has been made and entered into as of the 21st day of June, 2000, by and between PROPERTY RESERVE, INC., formerly known as DESERET TITLE HOLDING CORPORATION, a Utah corporation (herein referred to as "PRI"), and FAT CHANCE OIL AND GAS, L.L.C.

This agreement pertains to several wells, but for the purposes of this affidavit, specifically addresses Crane 6-7, located in the SE1/4 of the NW1/4, Section 7, T6N, R8E.

If you have any questions, please do not hesitate to call.

Sincerely,

Casey Osborn
Operations Manager

State of Wyoming)
) ss
County of Sheridan)

The foregoing instrument was acknowledged before me by Casey Osborn this 22nd day of February, 2001.

Notary Public

SUSAN J. STREET - NOTARY PUBLIC
COUNTY OF SHERIDAN STATE OF WYOMING
MY COMMISSION EXPIRES NOV. 17, 2003

My commission expires Nov. 17, 03

RECEIVED
FEB 23 2001
DIVISION OF
OIL, GAS AND MINING

FORM 5

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

DESIGNATION OF AGENT OR OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: Property Reserve, Skull Valley & Kavanagh

LEASE NUMBER: FEE

and hereby designates

NAME: Fat Chance Oil and Gas, LLC, an Oklahoma Limited Liability Company

ADDRESS: P. O. Box 7370, 850 Val Vista

city Sheridan state WY zip 82801

as his (check one) agent ☐ / operator ☑, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

(Describe acreage to which this designation is applicable. Identify each oil and gas well by API number and name. Attach additional pages as needed.)

See Attached

It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation: 01/01/2001

BY: (Name) Billy Jim Palone

(Signature)

(Title) Owner

(Phone) (307) 682-1621

OF: (Company) Palone Petroleum

(Address) P. O. Box 6

city Gillette

state WY zip 82717

(5/2000)

RECEIVED
FEB 23 2001
DIVISION OF
OIL, GAS AND MINING

Exhibit "A"

Attached to Oil and Gas Lease between Property Reserve, Inc. and Palone Petroleum

	Tract No. 1	
Township 9 North, Range 7 East, S.L.M.		
Section 26:	W2	311.00
Section 27:	All	640.00
Section 34:	E2, E2NW	400.00
Section 35:	All	640.00
Section 36:	Beginning at the Southwest corner of Section 36; thence North 2 3/4 degrees East 2698 feet; thence South 89 degrees East to the West boundry line of State Highway; thence South 32 degrees East along said West line 3156 feet more or less, to a point East of beginning; thence West 2210 feet, more or less, to the point of beginning.	84.00
	Tract No. 2	
Township 8 North, Range 7 East, S.L.M		
Section 1:	All that portion of Section 1 lying South and West of the Highway. Said highway is described as follows: A parcel of land 100 feet wide, 50 feet on each side of the following described centerline: Beginning at a point approximately 2244 feet East from the Northwest corner of said section; thence South 32 degrees 14 minutes East 1921.6 feet; thence 297.9 feet along the arc of a cirlce to the left whose radius is 1432.7 feet long; thence South 44 degrees 09 minutes East 2370.5 feet to the East line of said section.	489.86
Section 2:	Lot 4	28.00
Section 3:	Lots 1(28.00), 2(28.00), 3(28.00), 4(28.00), S2N2, S2	592.00
Section 10:	NE, E2NW, NESW, NWSE	320.00
Section 11:	All	640.00
Section 13:	All	640.00
	Tract No. 3	
Township 8 North, Range 7 East, S.L.M		
Section 15:	All	640.00
Section 21:	All	640.00
Section 23:	All	640.00
Section 25:	All	640.00
	Tract No. 4	
Township 8 North, Range 7 East, S.L.M		
Section 27:	All	640.00
Section 33:	All	640.00
Section 35:	All	640.00
Section 36:	All	640.00
	Tract No. 5	
Township 8 North, Range 8 East, S.L.M.		
Section 31:	Lots 1(39.86), 2(39.90), 3(39.94), 4(39.98), E2W2, E2	639.68
Township 7 North, Range 7 East, S.L.M.		
Section 1:	Lots 1(40.22), 2(40.68), 3(41.12), 4(41.58), S2N2, S2	643.60
Section 2:	Lots 1(41.81), 2(41.84), 3(41.86), 4(41.89), S2NW	247.40
Section 3:	Lots 1(41.77), 2(41.58), 3(41.33), 4(41.11), S2N2, S2	645.79
	Tract No. 6	
Township 7 North, Range 7 East, S.L.M.		
Section 5:	Lots 1(40.59), 2(40.76), 3(40.94), 4(41.11), S2N2, S2	643.40
Section 9:	All	640.00
Section 11:	All	640.00
Section 12:	W2	320.00
Section 13:	All	640.00
	Tract No. 7	
Township 7 North, Range 7 East, S.L.M.		
Section 15:	All	640.00
Section 16:	W2SE	80.00
Section 17:	All	640.00
Section 19:	Lots 1(41.10), 2(41.10), 3(41.10), 4(40.44), E2W2, E2	643.74
Section 21:	All	640.00

Tract No. 8
Township 7 North, Range 7 East, S.L.M.

Section 23:	All	640.00
Section 25:	All	640.00
Section 26:	W2W2	160.00
Section 27:	All	640.00
Section 29:	All	640.00

Tract No. 9
Township 7 North, Range 7 East, S.L.M.

Section 31:	Lots 1(39.82), 2(39.88), 3(39.92), 4(39.98), E2W2, E2	639.60
Section 32:	All	640.00
Section 33:	All	640.00
Section 35:	All	640.00

Tract No. 10
Township 7 North, Range 8 East, S.L.M.

Section 7:	Lots 1(43.03), 2(42.45), 3(41.87), 4(41.29), E2W2, E2	648.64
Section 9:	Lots 1(40.34), 2(40.34), 3(40.34), 4(40.34)	161.36
Section 17:	All	640.00
Section 19:	Lots 1(39.23), 2(38.88), 3(38.53), 4(38.18), E2W2, E2	634.82

Tract No. 11
Township 7 North, Range 8 East, S.L.M.

Section 21:	Lots 1(40.34), 2(40.34), 3(40.34), 4(40.34)	161.36
Section 29:	All	640.00
Section 31:	Lots 1(38.95), 2(39.25), 3(39.55), 4(39.85), E2W2, E2	637.60
Section 33:	Lots 1(39.87), 2(39.93), 3(37.97), 4(37.06)	154.83

Tract No. 12
Township 6 North, Range 6 East, S.L.M.

Section 2:	Lots 1(39.46), 2(39.59), 3(39.71), 4(39.84), S2N2, S2	638.60
Section 12:	All	640.00
Section 14:	All	640.00
Section 22:	All	640.00

Tract No. 13
Township 6 North, Range 6 East, S.L.M.

Section 24:	All	640.00
Section 26:	All	640.00
Section 28:	N2SE	80.00
Section 32:	All	640.00
Section 34:	N2NE, SENE, W2, SE	600.00

Tract No. 14
Township 6 North, Range 7 East, S.L.M.

Section 2:	Lots 1(22.77), 2(22.32), 3(21.87), 4(21.42), S2N2, S2	568.38
Section 4:	Lots 1(21.78), 2(26.54), 3(31.40), 4(36.06), S2N2, S2	595.78
Section 6:	Lots 1(40.87), 2(40.62), 3(40.37), 4(43.35), 5(43.06), 6(42.90), 7(42.73), S2NE, SENW, E2SW, SE	653.90
Section 8:	All	640.00

Tract No. 15
Township 6 North, Range 7 East, S.L.M.

Section 10:	All	640.00
Section 12:	All	640.00
Section 13:	All	640.00
Section 14:	All	640.00

Tract No. 16
Township 6 North, Range 7 East, S.L.M.

Section 16:	All	640.00
Section 18:	Lots 1(40.11), 2(40.14), 3(40.16), 4(40.19), E2W2, E2	640.60
Section 20:	All	640.00
Section 22:	All	640.00

Tract No. 17
Township 6 North, Range 7 East, S.L.M.

Section 24:	All	640.00

Section 25:	All of that portion of Section 25 lying North and West of the Union Pacific Railroad Company Right-of-way.	627.00
Section 26:	All	640.00
Section 28:	All	640.00

Tract No. 18

Township 6 North, Range 6 East, S.L.M.

Section 36:	All	640.00

Township 6 North, Range 7 East, S.L.M.

Section 30:	Lots 1(39.98), 2(40.10), 3(40.22), 4(40.34), E2W2, E2	640.64
Section 32:	All	640.00
Section 34:	All	640.00

Tract No. 19

Township 6 North, Range 8 East, S.L.M.

Section 4:	Lots 1(30.73), 2(21.10), 3(21.10), 4(21.10), 5(24.67), 6(30.81), 7(36.94)	186.45
Section 6:	Lots 1(29.00), 2(29.00), 3(29.00), 4(29.00), 5(40.00), 6(40.00), 7(40.00), S2NE, SENW, E2SW, SE	596.00
Section 7:	Lots 1(40.17), 2(40.52), 3(40.87), 4(41.22), E2W2, E2	642.78
Section 8:	All	640.00
Section 9:	Lots 1(21.09), 2(21.06), 3(21.03), 4(21.01), W2W2, Less and Except 62.15 acres more or less, as conveyed within that certain Warranty Deed dated February 3, 1999, recorded February 17, 1999 in Book E8 at page 203, with Property Reserve, Inc., a Utah corporation, f/k/a Deseret Title Holding Corporation, as Grantor, and Evanston-Uinta County Airport Joint Powers Board, as Grantee.	182.04

Tract No. 20

Township 6 North, Range 7 East, S.L.M.

Section 36:	All of that portion of Section 36 lying North and West of the Union Pacific Railroad Company Right-of-way.	375.00

Township 6 North, Range 8 East, S.L.M.

Section 16:	All of that portion of Section 16 lying North of the Union Pacific Railroad Company right-of-way.	165.00
Section 17:	All of that portion of Section 17 lying North and West of the Union Pacific Railroad Company right-of-way.	479.00
Section 18:	Lots 1(41.45), 2(41.55), 3(41.65), 4(41.75), E2W2, E2	646.40
Section 19:	All of that portion of Section 19 lying North and West of the Union Pacific Railroad Company right-of-way.	508.00
Section 30:	Lot 1(41.05) and that part of Lot 2 lying North and West of the Union Pacific Railroad Company right-of-way.	65.00

Tract No. 21

Township 5 North, Range 6 East, S.L.M.

Section 12:	All	640.00

Township 5 North, Range 7 East, S.L.M.

Section 2:	All that part lying North and West of the West Bound Union Pacific Railroad Company right of way	486.32
Section 4:	Lots 1(41.24), 2(41.34), 3(41.42), 4(41.52), S2N2, S2	645.52
Section 6:	Lots 1(41.36), 2(40.98), 3(40.58), 4(40.40), 5(40.40), 6(40.32), 7(40.24), S2NE, SENW, E2SW, SE	644.28
Section 8:	All	640.00
Section 10:	N2NW	80.00
Section 18:	Lots 1(39.97), 2(39.93), 3(39.88), N2NE, SWNE, E2NW, NESW	359.78

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/23/2001

API NO. ASSIGNED: 43-033-30053

WELL NAME: CRANE 6-7

OPERATOR: FAT CHANCE OIL & GAS (N1395)

CONTACT: CASEY OSBORN

PHONE NUMBER: 307-673-1500

PROPOSED LOCATION:

SENW 07 060N 080E

SURFACE: ~~2125 FNL 1936 FWL~~ 2363 FNL 1970 FWL

BOTTOM: ~~2125 FNL 1936 FWL~~ 2363 FNL 1970 FWL

RICH

WILDCAT (1)

LEASE TYPE: 4-Fee

LEASE NUMBER: FEE

SURFACE OWNER: 4-Fee

PROPOSED FORMATION: KELVN

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	RAM	6/4/01
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[] Ind[] Sta[] Fee[4]
(No. 885588C)

N Potash (Y/N)

N Oil Shale (Y/N) *190-5 (B) or 190-3

✓ Water Permit
(No. 21-868)

Y RDCC Review (Y/N)
(Date: Doc'm LTR 2-28-01 - Comments due 3-15-01

Y Fee Surf Agreement (Y/N)

LOCATION AND SITING:

___ R649-2-3. Unit _____

~~✓ R649-3-2. General~~

Siting: 460 From Qtr/Qtr & 920' Between Wells

✓ R649-3-3. Exception

___ Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____

___ R649-3-11. Directional Drill

COMMENTS: Need Presite. (5-25-01)

STIPULATIONS: (1) STATEMENT OF BASIS

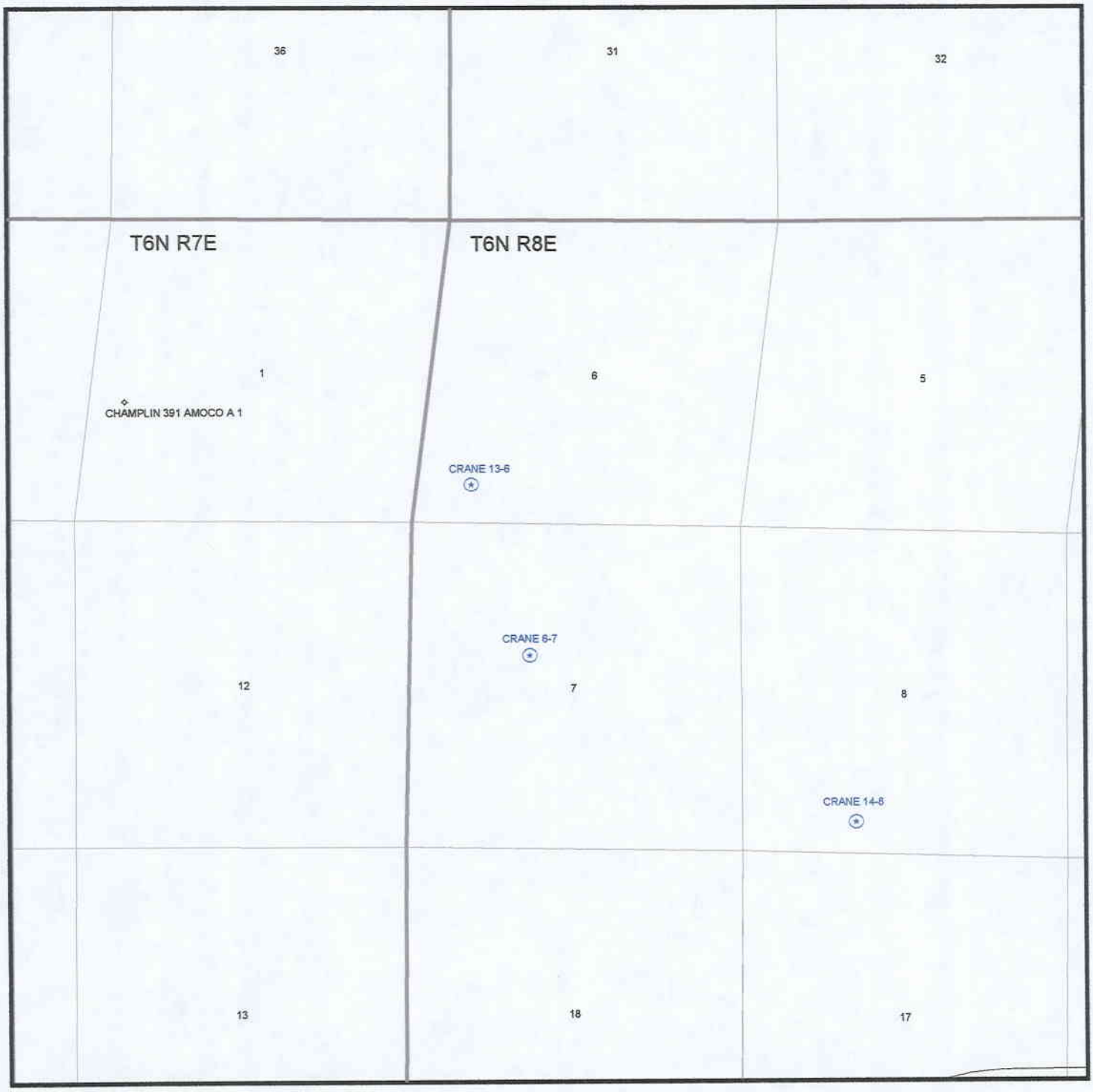
Utah Oil Gas and Mining

OPERATOR: FAT CHANCE O&G LLC (N1395)

FIELD: WILDCAT (001)

SEC. 6 & 7, T6N, R8E,

COUNTY: RICH SPACING: ~~R649-3-2~~ R649-3-3



PREPARED BY: LCORDOVA
DATE: ~~28 FEBRUARY 2001~~
5-24-01. lc

STATE ACTIONS
State Clearinghouse Coordinator
116 State Capitol, SLC, UT 84114
538-1535

1. Administering State Agency Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801	**2. State Application Identifier Number: (assigned by State Clearinghouse)**
	3. Approximate date project will start: Upon Approval
4. Areawide clearinghouse(s) receiving state action: (to be sent out by agency in block 1) Bear River Association of Governments	
5. Type of action: / / Lease /X / Permit / / License / / Land Acquisition **/ / Land Sale / / Land Exchange / / Other**_____	
6. Title of proposed action: Application for Permit to Drill	
7. Description: Fat Chance Oil and Gas, LLC proposes to drill the Crane 6-7 well (wildcat) on a fee lease, Rich County, Utah. This action is being presented to the RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.	
8. Land affected (site location map required) (indicate county) SE/4, NW/4, Section 7, Township 6 North, Range 8 East, Rich County, Utah	
9. Has the local government(s) been contacted? No	
10. Possible significant impacts likely to occur: Degree of impact is based on the discovery of oil or gas in commercial quantities.	
11. Name and phone of district representative from your agency near project site, if applicable:	
12. For further information, contact: **Lisha Cordova** **Phone:** (801) 538-5296	**13. Signature and title of authorized officer** for John R. Baza, Associate Director **Date:** February 28, 2001

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

B. TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☐ MULTIPLE ZONE ☑

7. UNIT or CA AGREEMENT NAME:

2. NAME OF OPERATOR: Fat Chance Oil and Gas, LLC

8. WELL NAME and NUMBER: Crane 6-7

3. ADDRESS OF OPERATOR: PO Box 7370 CITY Sheridan STATE WY ZIP 82801

PHONE NUMBER: (307) 673-1500

9 FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 2125' FNL 1936' FWL

CONFIDENTIAL

4562509 N
492911 E

AT PROPOSED PRODUCING ZONE: same

10. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 7 T6N R8E

13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 5 miles west of Evanston

11. COUNTY: Rich

12. STATE: UTAH

14. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)	15. NUMBER OF ACRES IN LEASE:	16. NUMBER OF ACRES ASSIGNED TO THIS WELL:
2875'	52,395	160
17. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	**18. PROPOSED DEPTH:**	**19. BOND DESCRIPTION:**
3250'	5,000	Utah DOGM Surety #885588C
20. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):	**21. APPROXIMATE DATE WORK WILL START:**	**22. ESTIMATED DURATION:**
6833' GR	4/15/2001	10 days

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4"	9 5/8" H-40 32.3#	500	G-Poz	250 sx	1.77	12.5# lead
				50sx	1.17	15.8" tail
8 3/4"	7" K-55 20#	5,000	G-35/65 Poz	150 sx	2.34	11# lead
				50 sx	1.27	14.2# tail

24. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER

☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER

☑ COMPLETE DRILLING PLAN

☑ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Casey Osborn TITLE Operations Manager

SIGNATURE Casey Osborn DATE 1-29-01

(This space for State use only)

API NUMBER ASSIGNED: 43-033-30053

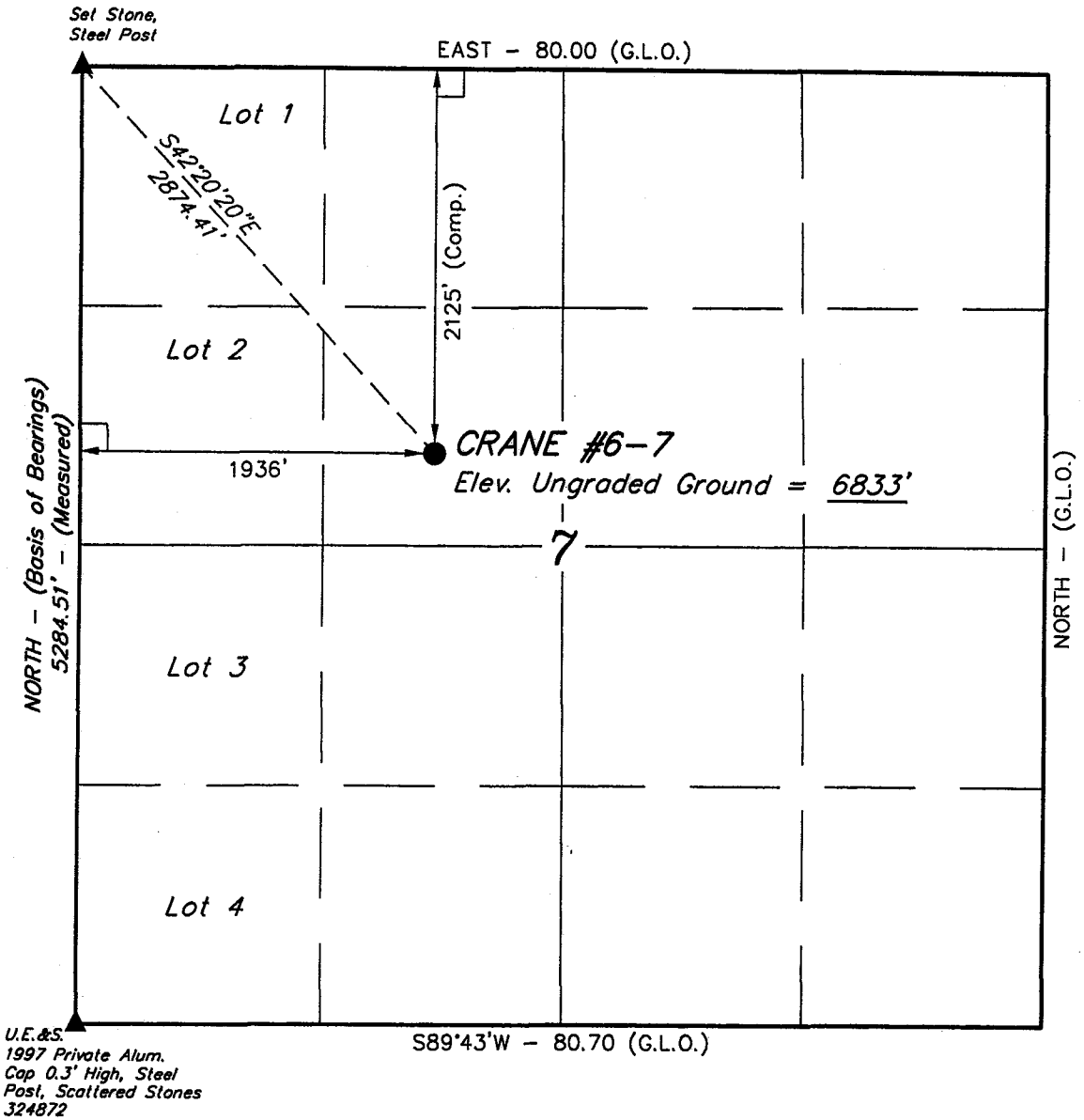
APPROVAL:

RECEIVED
FEB 23 2001
DIVISION OF
OIL, GAS AND MINING

(5/2000)

(See Instructions on Reverse Side)

T6N, R8E, S.L.B.&M.



LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

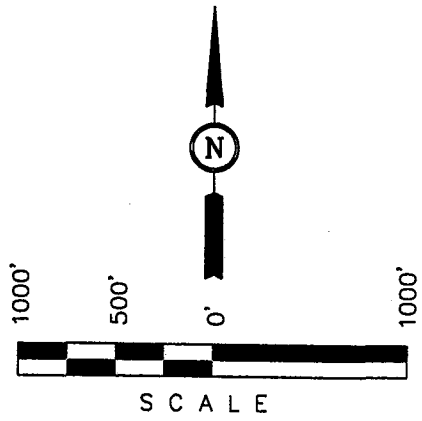
LATITUDE = 41°16'12"
LONGITUDE = 111°05'04"

QUANECO, LLC

Well location, CRANE #6-7, located as shown in the SE 1/4 NW 1/4 of Section 7, T6N, R8E, S.L.B.&M., Rich County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION LOCATED IN THE SW 1/4 OF SECTION 31, T7N, R8E, S.L.B.&M. TAKEN FROM THE MURPHY RIDGE QUADRANGLE, UTAH-WYOMING, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7184 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	1-11-01	1-19-01
PARTY: B.B. J.W D.COX	REFERENCES: G.L.O. PLAT	
WEATHER: COOL	FILE	

APPLICATION FOR TEMPORARY CHANGE OF WATER

STATE OF UTAH

Rec. by _____
Fee Paid $ _____
Receipt # _____
Microfilmed _____
Roll # _____

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 73-3-3 Utah Code Annotated 1953, as amended.

CHANGE APPLICATION NUMBER: t25190 WATER RIGHT NUMBER: 21 - 868

****

This Change Application proposes to change the POINT(S) OF DIVERSION, PLACE OF USE, and NATURE OF USE.

****

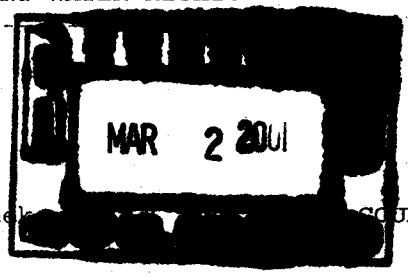
1. **OWNERSHIP INFORMATION.**

A. **NAME:** Deseret Livestock Company **INTEREST:** 100%
ADDRESS: 531 South State Street, Salt Lake City, UT 84111

B. **PRIORITY OF CHANGE:** January 16, 2001 **FILING DATE:** January 16, 2001

C. **EVIDENCED BY:**
21-868

DESCRIPTION OF CURRENT WATER RIGHT:



2. **SOURCE INFORMATION.**

A. **QUANTITY OF WATER:** 12.0 cfs

B. **SOURCE:** Unnamed Tributary to Duck Cree[illegible] **COUNTY:** Summit

C. **POINT OF DIVERSION -- SURFACE:**
(1) N 1290 feet E 300 feet from W¼ corner, Section 12, T 6N, R 7E, SLBM

3. **STORAGE.** Water is diverted for storage into:

(1) Crane Reservoir, from Jan 1 to Dec 31.
CAPACITY: 775.700 ac-ft.
Area inundated includes all or part of the following legal subdivisions:

				NORTH-WEST¼					NORTH-EAST¼					SOUTH-WEST¼					SOUTH-EAST¼				
BASE	TOWN	RANG	SEC	NW	NE	SW	SE		NW	NE	SW	SE		NW	NE	SW	SE		NW	NE	SW	SE	
SL	6N	7E	10					***				X	***					***					
			11		X	X	X	***	X	X	X	X	***					***					
			12	X		X		***					***					***					

8. **PLACE OF USE.** Changed as Follows:

(Which includes all or part of the following legal subdivisions:)

				NORTH-WEST¼					NORTH-EAST¼					SOUTH-WEST¼					SOUTH-EAST¼			
BASE	TOWN	RANG	SEC	NW	NE	SW	SE		NW	NE	SW	SE		NW	NE	SW	SE		NW	NE	SW	SE
SL	6N	8E	4	X	X	X	X	***	X	X	X	X	***	X	X	X	X	***	X	X	X	X
			6	X	X	X	X	***	X	X	X	X	***	X	X	X	X	***	X	X	X	X
			7	X	X	X	X	***	X	X	X	X	***	X	X	X	X	***	X	X	X	X
			8	X	X	X	X	***	X	X	X	X	***	X	X	X	X	***	X	X	X	X
SL	7N	7E	11	X	X	X	X	***	X	X	X	X	***	X	X	X	X	***	X	X	X	X
SL	7N	8E	21	X	X	X	X	***	X	X	X	X	***	X	X	X	X	***	X	X	X	X
			29	X	X	X	X	***	X	X	X	X	***	X	X	X	X	***	X	X	X	X
			33	X	X	X	X	***	X	X	X	X	***	X	X	X	X	***	X	X	X	X
SL	8N	7E	32	X	X	X	X	***	X	X	X	X	***	X	X	X	X	***	X	X	X	X
			35	X	X	X	X	***	X	X	X	X	***	X	X	X	X	***	X	X	X	X

9. **SIGNATURE OF APPLICANT(S).**

The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application, through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

William Hall

Signature of Applicant(s)

Sign & return w/ $75.00 fee

DIVISION OF WATER RIGHTS
1780 N. RESEARCH PARKWAY
SUITE 104
NORTH LOGAN, UTAH 84341-1941

From: Frances Bernards
To: Cordova, Lisha
Date: 3/27/01 12:01PM
Subject: comments on well drilling projects

The following Resource Development Coordinating Committee agenda items for proposed well drilling projects may require a permit from the Utah Division of Air Quality (see comment below): Items #518 (Texaco 05-107 well on state lease ML-48193); #519 (Texaco 05-108 well); #520 (Texaco 05-109 well); #521 (Texaco 05-110 well); #522 (Texaco 06-103 well; #523 (America West Group 15-1126 well); #524 (W.H. Leonard 15-127 well); #539 (Fat Chance Oil & Gas Crane 6-7 well); #540 (Fat Chance Oil & Gas Crane 13-6 well); #541 (Fat Chance Oil & Gas Crane 13-18 well); #542 (Fat Chance Oil & Gas Stacey Hollow 14-35 well).

The following comment applies to all proposed projects: The proposed oil well drilling projects may require a permit, known as an Approval Order, from the Division of Air Quality. If any compressor stations are located at the site, an Approval Order from the DAQ will be required for operation of the equipment. A permit application, known as a Notice of Intent (NOI) should be submitted to the Division of Air Quality for review.

If you have any questions, please contact me at (801) 536-4056.

Frances Bernards, Planner
Division of Air Quality
fbernard@deq.state.ut.us

The State Planning Coordinator's Office has reviewed the following projects and has not received any comments from State agencies to date.

Contact: Kevin Carter

#484 Trust Lands Administration - Easement No. 677

Contact: Jan Parmenter

#483 Trust Lands Administration - Easement No. 683

Contact: Scott Chamberlain

#544 Trust Lands Administration - Fire Rehabilitation/Range Improvement Project

Contact: Lisha Cordova

#539 DOGM - Application for Permit to Drill - proposal to drill a wildcat well, Crane 6-7 on a fee lease.

#540 DOGM - Application for Permit to Drill - proposal to drill a wildcat well, Crane 13-6 on a fee lease.

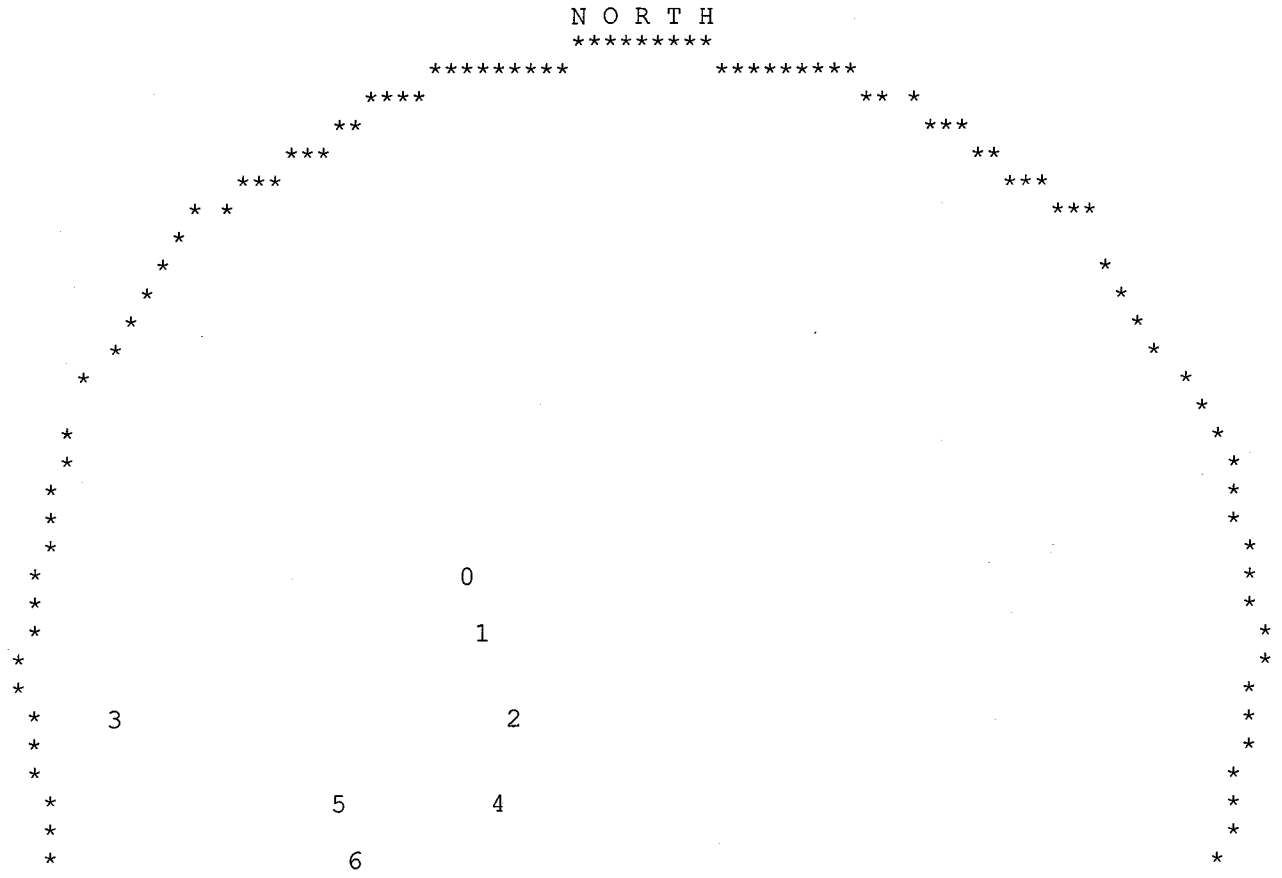
#541 DOGM - Application for Permit to Drill - proposal to drill a wildcat well, Crane 13-18 on a fee lease.

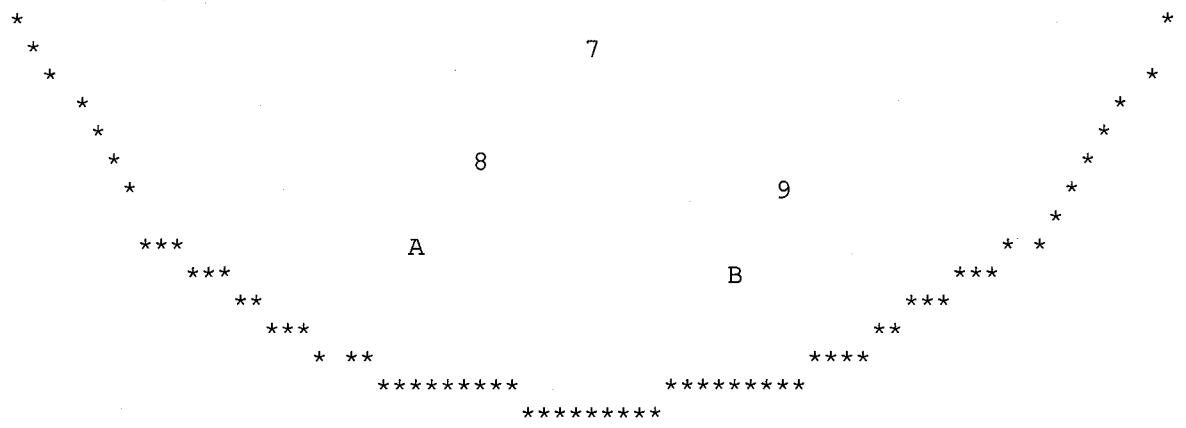
#542 DOGM - Application for Permit to Drill - proposal to drill a wildcat well, Stacey Hollow 14-35 on a fee lease.

UTAH DIVISION OF WATER RIGHTS
WATER RIGHT POINT OF DIVERSION PLOT CREATED WED, MAY 23, 2001, 11:02 AM
PLOT SHOWS LOCATION OF 12 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 5280 FEET FROM A POINT
S 2125 FEET, E 1936 FEET OF THE NW CORNER,
SECTION 7 TOWNSHIP 6N RANGE 8E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 2000 FEET





UTAH DIVISION OF WATER RIGHTS
NWPLAT POINT OF DIVERSION LOCATION PROGRAM

MAP CHAR	WATER RIGHT	QUANTITY CFS	AND/OR AC-FT	SOURCE DESCRIPTION or WELL INFO DIAMETER	DEPTH	YEAR LOG	NORTH		EAST		POINT OF DIVERSION DESCRIPTION CNR	SEC	TWN	RNG	B&M
0	21 901	.5000		.00 Unnamed Tributary to Duck Cree			S	1520	E	470	NW	7	6N	8E	SL
	WATER USE(S): IRRIGATION STOCKWATERING										PRIORITY DATE: 00/00/19				
	Deseret Livestock Company			531 South State Street							Salt Lake City				
1	21 900	.5000		.00 Unnamed Tributary to Duck Cree			N	680	E	570	W4	7	6N	8E	SL
	WATER USE(S): IRRIGATION STOCKWATERING										PRIORITY DATE: 00/00/19				
	Deseret Livestock Company			531 South State Street							Salt Lake City				
2	21 902	.0560		.00 Crane Ranch House Spring			N	70	E	825	W4	7	6N	8E	SL
	WATER USE(S): DOMESTIC STOCKWATERING										PRIORITY DATE: 00/00/19				
	Deseret Livestock Company			531 South State Street							Salt Lake City				
3	21 870	.2500		.00 Unnamed Tributary to Duck Cree			N	20	W	2560	E4	12	6N	7E	SL
	WATER USE(S): IRRIGATION STOCKWATERING										PRIORITY DATE: 00/00/19				
	Deseret Livestock Company			531 South State Street							Salt Lake City				

4	21 991	.0000	.00	Unnamed Tributary to Duck Cree											
	WATER USE(S): STOCKWATERING													PRIORITY DATE: 00/00/18	
	Deseret Livestock Company			531 South State Street										Salt Lake City	
5	21 995	.0000	.00	Unnamed Tributary to Duck Cree											
	WATER USE(S): STOCKWATERING													PRIORITY DATE: 00/00/18	
	Deseret Livestock Company			531 South State Street										Salt Lake City	
6	21 871	.2500	.00	Unnamed Tributary to Duck Cree	S	1160	W	440	E4	12	6N	7E	SL		
	WATER USE(S): IRRIGATION STOCKWATERING													PRIORITY DATE: 00/00/19	
	Deseret Livestock Company			531 South State Street										Salt Lake City	
7	21 872	.2500	.00	Unnamed Tributary to Duck Cree	N	1020	W	770	S4	7	6N	8E	SL		
	WATER USE(S): IRRIGATION STOCKWATERING													PRIORITY DATE: 00/00/19	
	Deseret Livestock Company			531 South State Street										Salt Lake City	
8	21 1010	.0000	.00	Unnamed Tributary to Duck Cree	N	30	E	1030	SW	7	6N	8E	SL		
	WATER USE(S): STOCKWATERING													PRIORITY DATE: 00/00/19	
	Deseret Livestock Company			531 South State Street										Salt Lake City	
9	21 873	.5000	.00	Unnamed Tributary to Duck Cree	S	220	E	920	N4	18	6N	8E	SL		
	WATER USE(S): IRRIGATION STOCKWATERING													PRIORITY DATE: 00/00/19	
	Deseret Livestock Company			531 South State Street										Salt Lake City	
A	21 1009	.0000	.00	Unnamed Tributary to Duck Cree	S	650	E	480	NW	18	6N	8E	SL		
	WATER USE(S): STOCKWATERING													PRIORITY DATE: 00/00/19	
	Deseret Livestock Company			531 South State Street										Salt Lake City	
B	21 1008	.0000	.00	Unnamed Tributary to Duck Cree	S	910	E	520	N4	18	6N	8E	SL		
	WATER USE(S): STOCKWATERING													PRIORITY DATE: 00/00/19	
	Deseret Livestock Company			531 South State Street										Salt Lake City	
	Bulkley, Russell													Panguitch	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☑
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

B. TYPE OF WELL: OIL ☐ GAS ☐ OTHER _____ SINGLE ZONE ☐ MULTIPLE ZONE ☐

7. UNIT or CA AGREEMENT NAME:

2. NAME OF OPERATOR: Fat Chance Oil & Gas, LLC

8. WELL NAME and NUMBER: Crane 6-7

3. ADDRESS OF OPERATOR: PO Box 7370 CITY Sheridan STATE WY ZIP 82801

PHONE NUMBER: (307) 673-1500

9 FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 2363' FNL 1970' FWL
AT PROPOSED PRODUCING ZONE: same

CONFIDENTIAL

10. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW Sec. 7 T6N R8E

13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 5 miles west of Evanston, Wyoming

4568437 N
492921 E

11. COUNTY: Rich

12. STATE: UTAH

14. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET): 3077'

15. NUMBER OF ACRES IN LEASE: 52,395

16. NUMBER OF ACRES ASSIGNED TO THIS WELL: 160

17. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): 3279'

18. PROPOSED DEPTH: 5,000

19. BOND DESCRIPTION: Utah DOGM Surety# 885588C

20. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 6802' GR

21. APPROXIMATE DATE WORK WILL START: 6/15/2001

22. ESTIMATED DURATION: 10 days

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4" (G)	9 5/8" H-40 32.3#	500	G-Poz	250 sx	1.77	12.5#lead
				50 sx	1.17	15.8" tail
	23#/1 RAM 6/4/01 via CABEJ OSBORN					
8 3/4" (G)	7" K-55 ~~20#~~	5,000	G-35/65 Poz	150 sx	2.34	11# lead
				50 sx	1.27	14.2# tail

24. ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☐ COMPLETE DRILLING PLAN
☐ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Lorna James TITLE Administrative Assistant

SIGNATURE Lorna James DATE 5-24-01

(This space for State use only)

API NUMBER ASSIGNED: 43-033-30053

Approved by the
Utah Division of
Oil, Gas and Mining
Date: 06-13-01
By: [signature]

RECEIVED
MAY 25 2001
DIVISION OF
OIL, GAS AND MINING

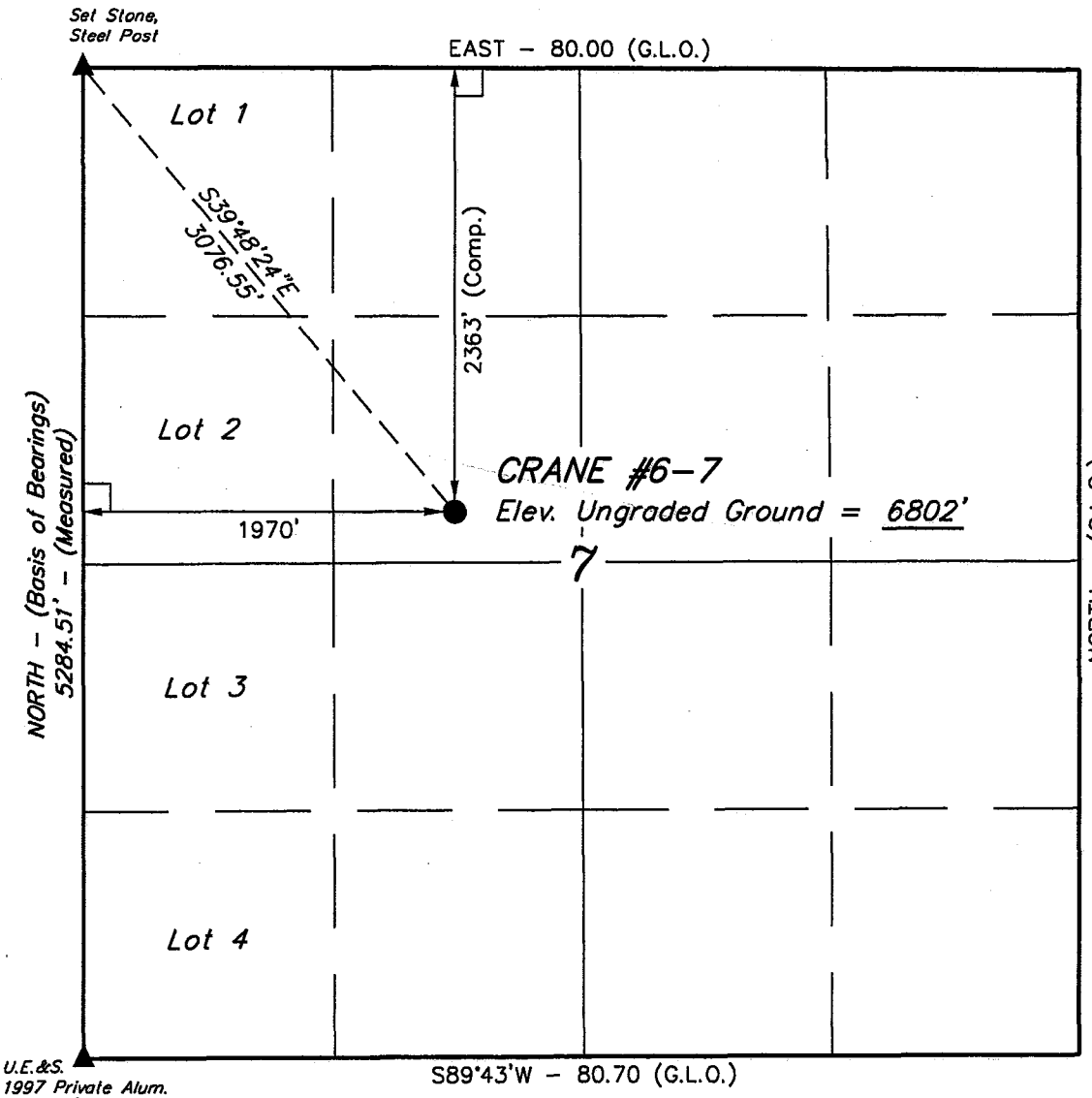
(See Instructions on Reverse Side)

(5/2000)

T6N, R8E, S.L.B.&M.

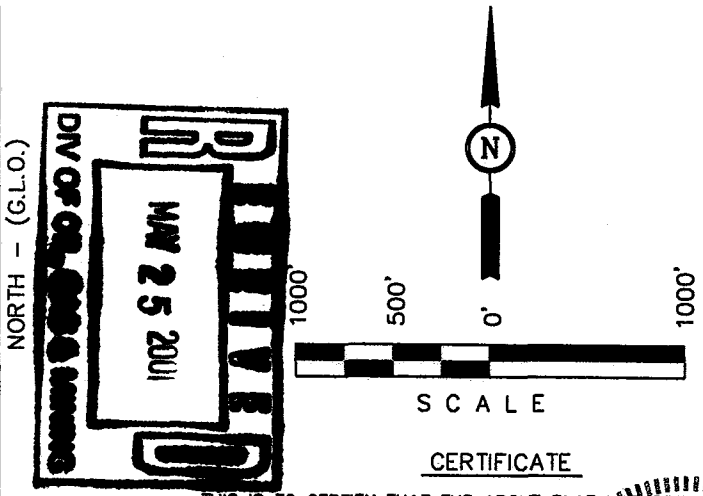
QUANECO, LLC

Well location, CRANE #6-7, located as shown in the SE 1/4 NW 1/4 of Section 7, T6N, R8E, S.L.B.&M., Rich County, Utah.



BASIS OF ELEVATION

SPOT ELEVATION LOCATED IN THE SW 1/4 OF SECTION 31, T7N, R8E, S.L.B.&M. TAKEN FROM THE MURPHY RIDGE QUADRANGLE, UTAH-WYOMING, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7184 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 5-22-01 D.COX

LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

LATITUDE = 41°16'09"
LONGITUDE = 111°05'04"

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	1-11-01	1-19-01
PARTY: B.B. J.W D.COX	REFERENCES: G.L.O. PLAT	
WEATHER: COOL	FILE: QUANECO, LLC	

Fat Chance Oil and Gas, L.L.C. P.O. Box 7370
850 Val Vista
Sheridan WY 82801
307-673-1500 Phone
307-673-1400 Fax

May 23, 2001

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
ATTN: Lisha Cordova
Box 145801
Salt Lake City UT 84114-5801

To Whom It May Concern:

The original location of our Crane 6-7 well was not acceptable due to topography. Therefore, we had the site re-surveyed. Per a phone conversation with Bill Courtney on May 23, 2001, we were instructed to complete an amended APD and submit it with a copy of the new survey and a letter of explanation. We understand that if this is an exception location, we will have to forward a letter regarding our lease. The amended APD and survey are enclosed.

If additional information is needed, please contact me at 307-673-1500.

Thank you for your time and consideration in this matter.

Sincerely,

Lorna James

Lorna K. James
Administrative Assistant

DRILLING PLAN

Operator: Fat Chance Oil and Gas, LLC
Crane 6-7
T6N R8E, Rich County, Utah

1. ESTIMATED TOPS OF GEOLOGIC MARKERS

Formation	Depth	Fluid
Wasatch	Surface – 100'	Potential water sands
Fowkes	100' – 1200'	None
Adaville	1200' – 2500'	Water, Possible Gas
Frontier	2500' – 3500'	Water, Possible Gas
Aspen	3500' – 4000'	None
Bear River	4000' – 4500'	Water, Oil
TD	4500'	

2. ESTIMATED DEPTHS OF ANTICIPATED WATER AND GAS FORMATIONS

The objective formation is the Kelvin formation. Operator intends to evaluate shows in the Adaville, Frontier and Bear River intervals. The anticipated tops are listed in section one of the drilling plan.

3. PRESSURE CONTROL EQUIPMENT

Minimum Specifications:

1. 11" 3M BOP stack consisting of an annular preventer, pipe ram, and blind ram.
2. 2M choke manifold consisting of two adjustable chokes and bleed line.
3. 2" Kill Line
4. 2" Choke Line

All components of the BOP stack are to be installed and pressure tested before drilling out from under the 9 5/8" surface casing. Rams, manifold and lines are to be tested to both a low pressure of 250 psi and a high pressure equal to the working pressure rating. The annular preventer is to be tested to 70% of the working pressure.

An adequate accumulator system will be utilized to hydraulically operate all components of the BOP equipment.

The surface casing will be pressure tested to 1000 psi.

The BOP equipment will be tested once every 30 days and whenever a pressure seal is broken.

Operator will adhere to Utah Oil and Gas Conservation General Rule R649-3-7(Well Control).

4. CASING PROGRAM

Surface:

OD:	9 5/8"
Grade:	H-40 or greater
Wt:	32.30# or greater
Cement:	Cemented to surface with Lite and Tail Cements as required. Centralizers will be utilized to assure proper cement placement.

Production:

OD:	7"
Grade:	J-55 or greater
Wt:	23# or greater
Cement:	Cemented to cover and isolate all zones of interest with Lite and Tail cements as required. Centralizers will be utilized to assure proper cement placement.

Surface casing will be cemented to surface, thus protecting shallow aquifers and the associated water. All zones of interest will be identified and evaluated. After running production casing, cement will be displaced to cover the shallowest zone of interest. As necessary, stages tools will be utilized if hydrostatic heads are excessive. The casing program will consist of setting 9 5/8" surface casing and 7" production casing.

5. DRILLING FLUID PROGRAM

The drilling fluid will be a lightly treated fresh water native mud. Hole conditions will dictate if additives such as chemicals, gel or weighting materials are added. It is anticipated that occasional gel with LCM and/or polymer sweeps will be required to adequately clean the hole. Mud weight will be maintained at 9.5#/gal or less. Adequate quantities of barite to raise the mud weight to 10.5#/gal will be stored and available on location before drilling out the surface casing cement plug.

Mud pits will be visually monitored. The hole will be filled during trips and kept full at all times unless lost circulation is encountered.

6. EVALUATION PROGRAM

Coring:

Due to the wildcat status of the proposed well, coring is not anticipated.

Logging:

One-man logging unit during drilling.

Open hole FDC-CNL-GR logs will be run from TD to surface.

7. ABNORMAL PRESSURES OR TEMPERATURES

No abnormal pressures or temperatures are expected. Maximum anticipated bottom hole pressure is 1950 psi or less. The pressure gradient at any depth is expected to be .43 psi/ft or less.

Hydrogen sulfide gas is produced from deeper formations in wells located within close proximity of the proposed well. However, the objective of the proposed well is the Kelvin formation from which no hydrogen sulfide has been encountered nor in any formations above the Kelvin. The presence of hydrogen sulfide in the proposed well is not expected or anticipated.

8. ADDITIONAL INFORMATION

Anticipated spud of the proposed well will be immediately or as soon as practical after State approval.

Fat Chance Oil and Gas, LLC intends to test and evaluate any zone that indicates potential. The testing technique will consist of selectively perforating and flowing each zone of interest. Bridge plugs will be utilized to isolate zones as necessary for independent zone testing. Testing will be accordance with Utah Oil and Gas rule R649-3-19(Well Testing) and results will be submitted in writing to the Division of Oil, Gas and Mining.

LIST OF CONTACTS

OPERATOR:

Casey Osborn
Operations Manager
Box 7370
Sheridan, Wyoming 82801
Office: 307-673-1500
Home: 307-673-0842

SURFACE LESSEE:

Bill Hopkin
Ranch Manager
Deseret Land and Livestock
125 Main Ranch Way
Woodruff, Utah 84086
Office: 435-793-4288
Home:435-793-4558

QUANECO, LLC.

CRANE #6-7

LOCATED IN RICH COUNTY, UTAH
SECTION 7, T6N, R8E, S.L.B.&M.

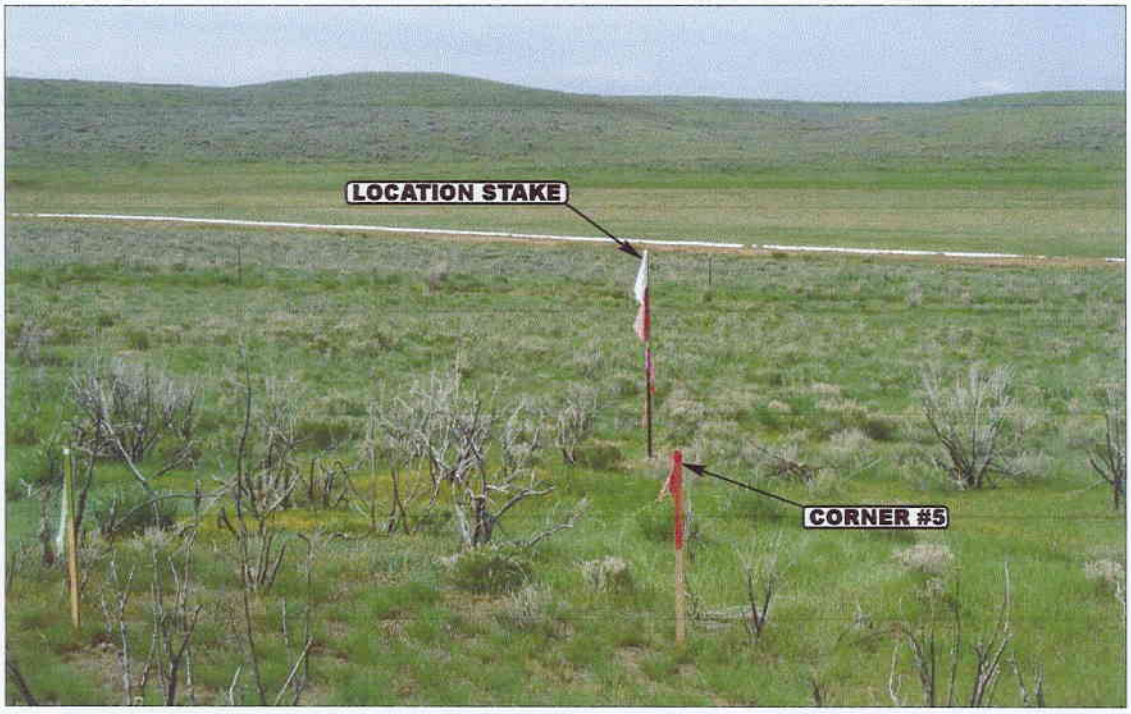


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: SOUTHWESTERLY**

PHOTO: EXISTING ACCESS AT EDGE OF PAD **CAMERA ANGLE: SOUTHWESTERLY**

RECEIVED
MAY 25 2001
DIV. OF OIL, GAS & MINING

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

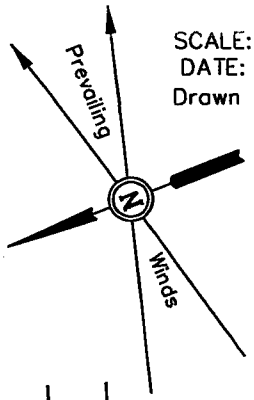
LOCATION PHOTOS	1 MONTH	18 DAY	01 YEAR	PHOTO
TAKEN BY: C.T.	DRAWN BY: K.G.	REVISED: 5-22-01		

QUANECO, LLC.

LOCATION LAYOUT FOR

CRANE #6-7
SECTION 7, T6N, R8E, S.L.B.&M.
2363' FNL 1970' FWL

SCALE: 1" = 50'
DATE: 5-22-01
Drawn By: D.COX



REGISTERED LAND SURVEYOR
No. 161319
STATE OF UTAH

RECEIVED
MAY 25 2001
DIV. OF OIL, GAS & MINING

Proposed Access Road

C-8.0'
El. 809.7'

Topsoil Stockpile

Sta. 2+70

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

Approx. Top of Cut Slope

Existing Road

FLARE PIT

DATA

CATWALK

135'

C-6.1'
El. 807.8'

C-0.2'
El. 801.9'

Pit Topsoil

PIPE RACKS

C-3.3'
El. 805.0'

C-0.6'
El. 802.3'

F-4.1'
El. 797.6'

El. 810.1'
C-16.4'
(btm. pit)

DOG HOUSE

RIG

50'

10'

30'

100'

Sta. 1+35

10' WIDE BENCH

70'

RESERVE PITS (8' Deep)

Sta. 0+87

MUD TANKS

WATER

TRAILER

PUMP

MUD SHED

135'

TOILET

HOPPER

POWER

FUEL

TOOLS

TRASH

FUEL

STORAGE TANK

75'

Pit Capacity With 2' of Freeboard is ± 2,090 Bbls.

El. 810.9'
C-17.2'
(btm. pit)

El. 805.2'
C-3.5'

Approx. Toe of Fill Slope

Reserve Pit Backfill & Spoils Stockpile

Sta. 0+00

El. 805.6'
C-3.9'

C-1.2'
El. 802.9'

Topsoil Stockpile

F-5.3'
El. 796.4'

Elev. Ungraded Ground at Location Stake = 6802.3'
Elev. Graded Ground at Location Stake = 6801.7'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

QUANECO, LLC.

TYPICAL CROSS SECTIONS FOR

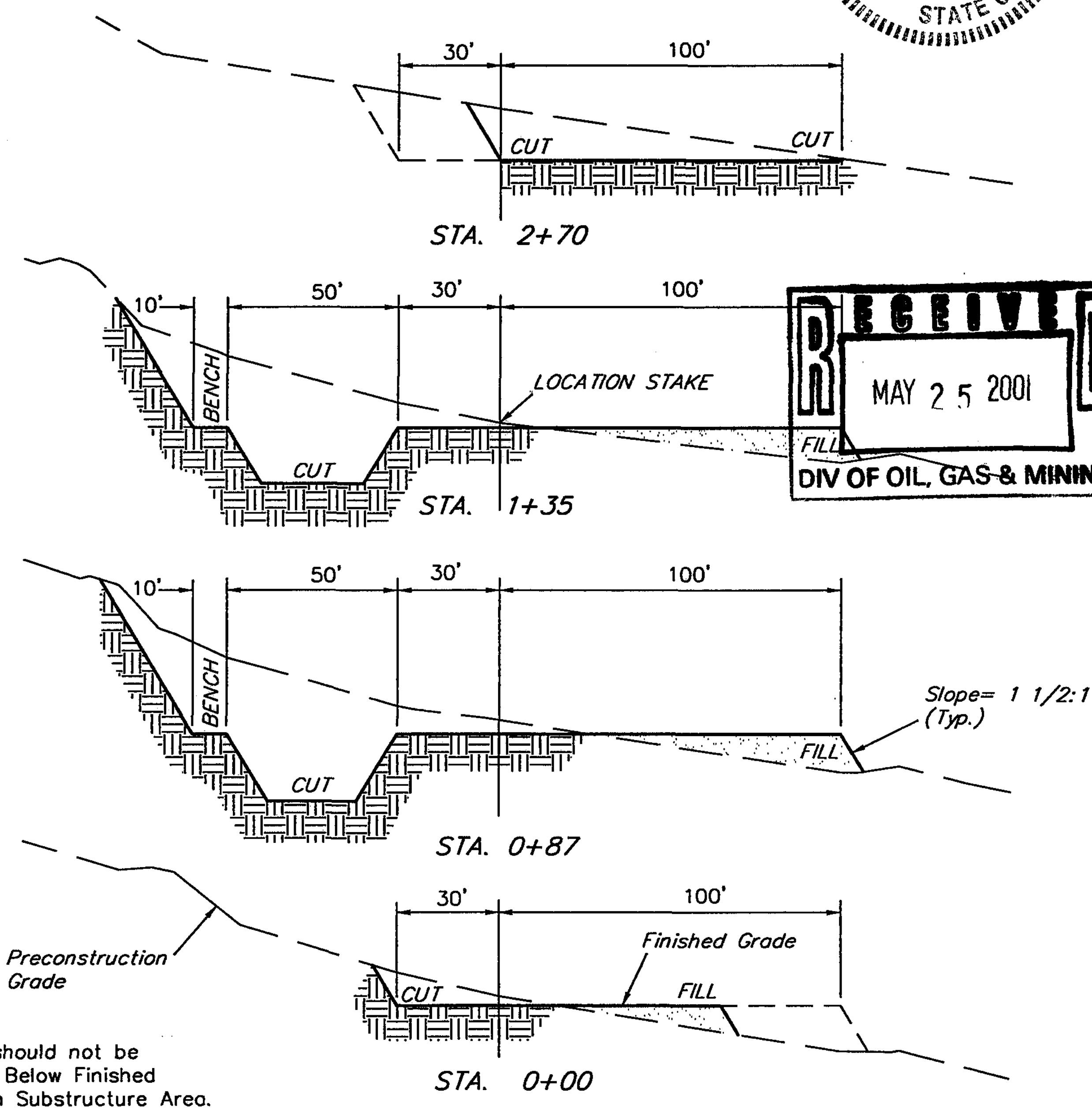
CRANE #6-7
SECTION 7, T6N, R8E, S.L.B.&M.
2363' FNL 1970' FWL

X-Section Scale
1" = 20'
1" = 50'

DATE: 5-22-01
Drawn By: D.COX

REGISTERED LAND SURVEYOR
No. [illegible]
ROBERT L. KAY
STATE OF UTAH

RECEIVED
MAY 2 5 2001
DIV OF OIL, GAS & MINING



NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	*750* Cu. Yds.
Remaining Location	=	*3,840* Cu. Yds.
TOTAL CUT	=	*4,590* CU.YDS.
FILL	=	*1,660* CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	=	*2,840* Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	*1,080* Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	*1,760* Cu. Yds.

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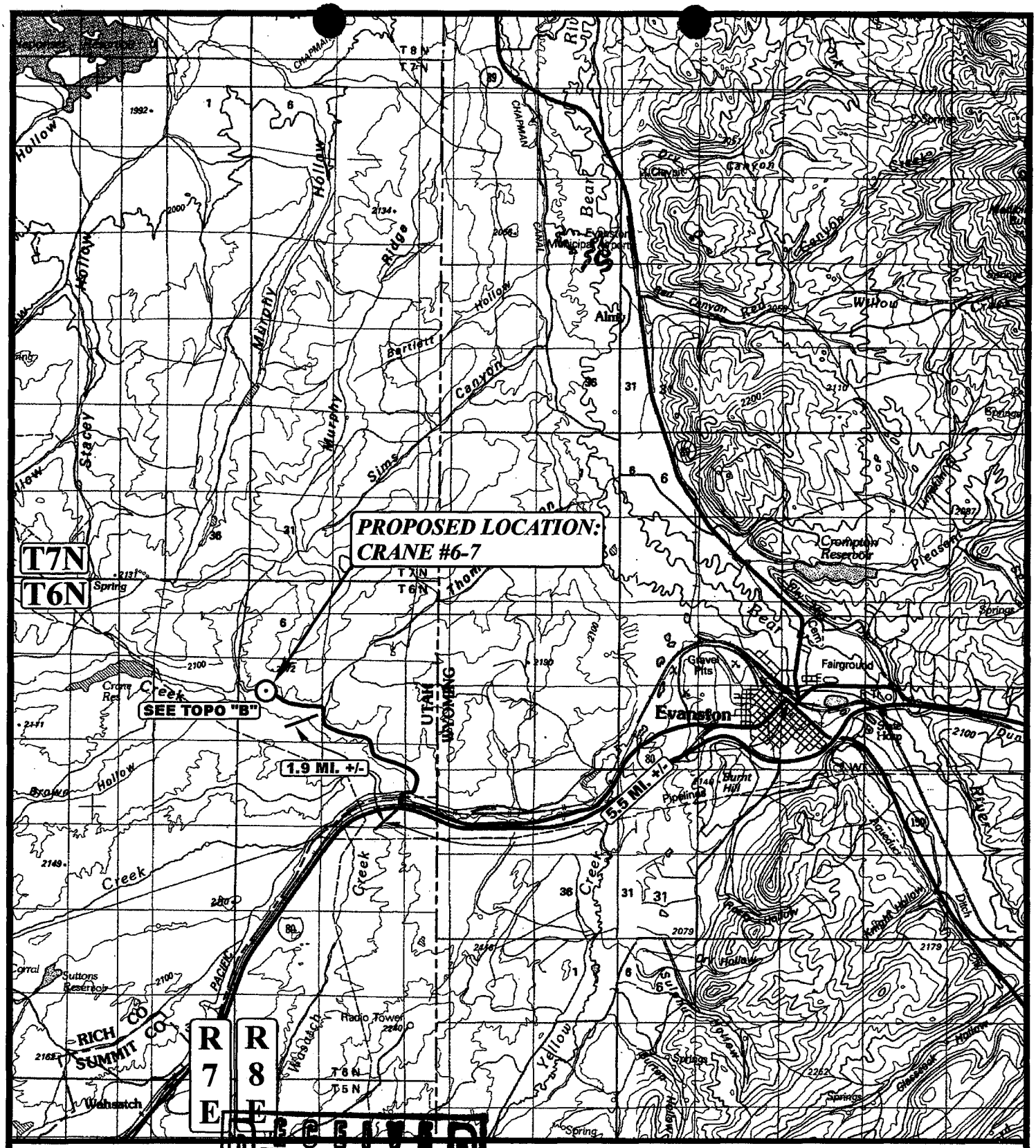


LEGEND:

⊙ PROPOSED LOCATION

RECEIVED
MAY 25 2001
DIV. OF OIL, GAS & MINING

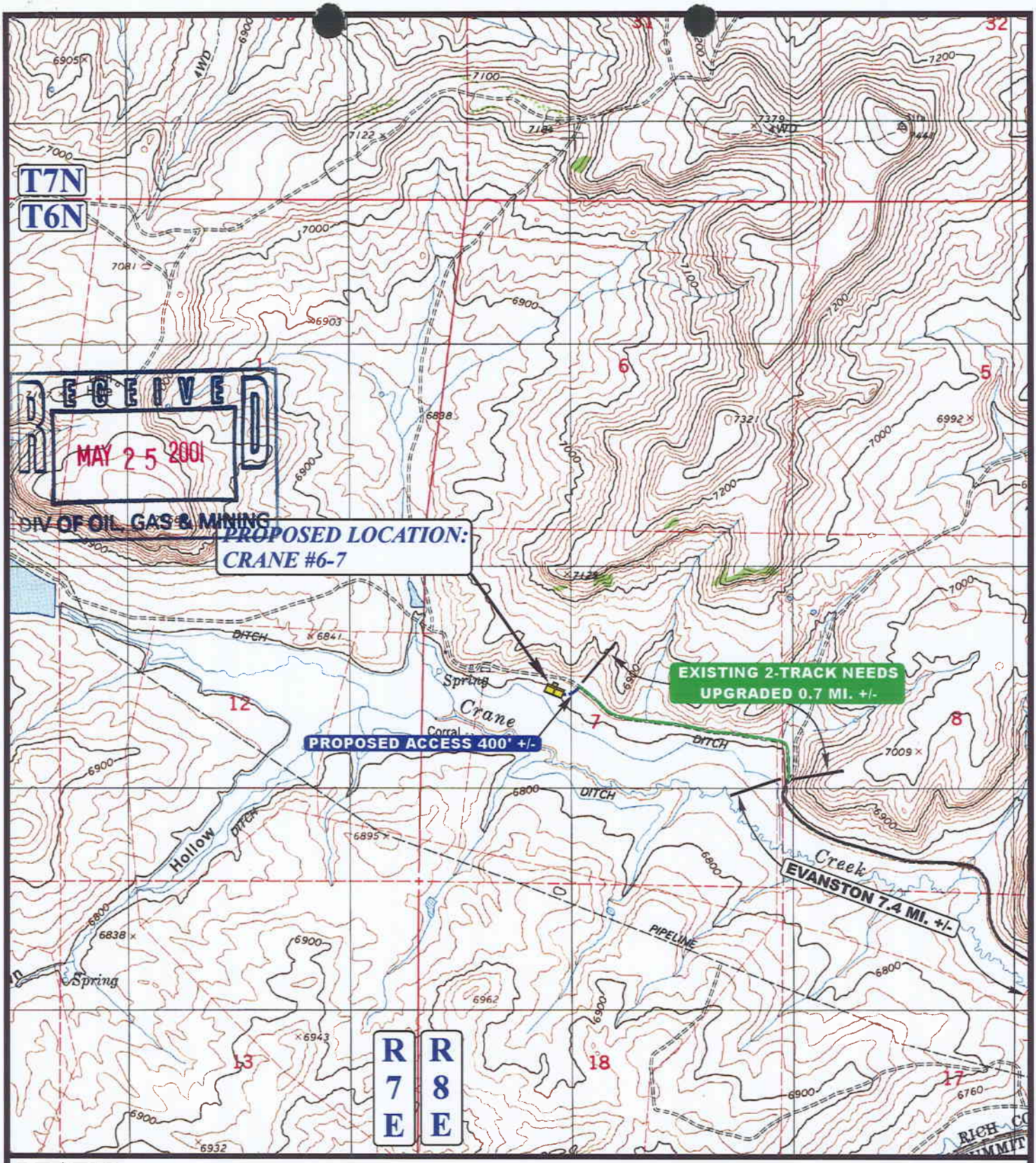
N

QUANECO, LLC.

CRANE #6-7
SECTION 7, T6N, R8E, S.L.B.&M.
2363' FNL 1970' FWL

UELS
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	1 MONTH	18 DAY	01 YEAR
SCALE: 1:100,000	DRAWN BY: K.G.	REVISED: 5-22-01	A TOPO



LEGEND:

PROPOSED ACCESS ROAD

EXISTING ROAD

N

QUANECO, LLC.

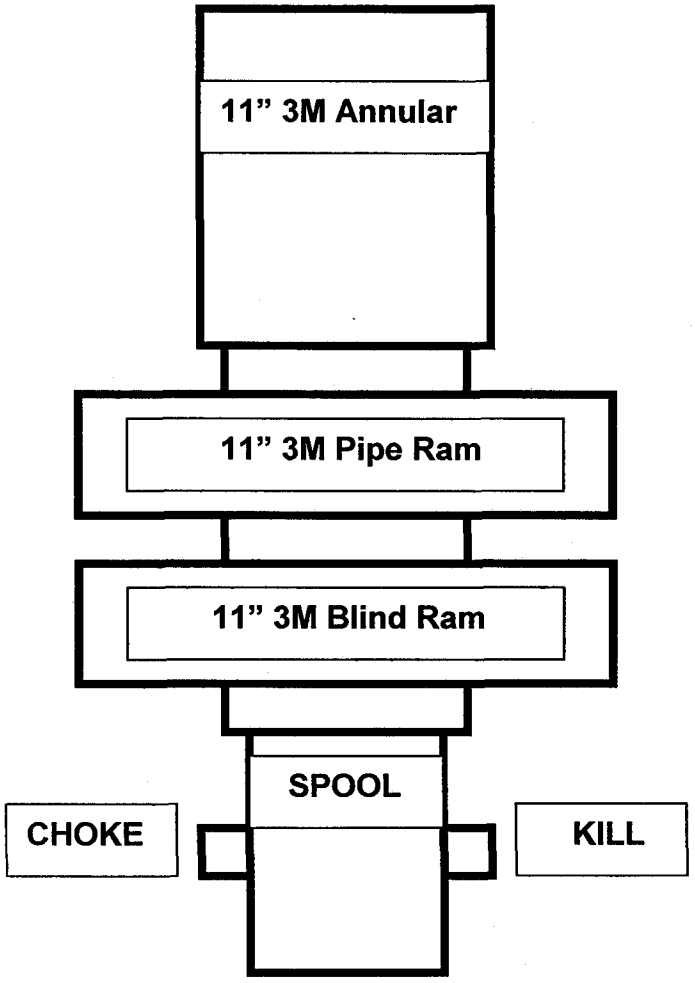
CRANE #6-7
SECTION 7, T6N, R8E, S.L.B.&M.
2363' FNL 1970' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

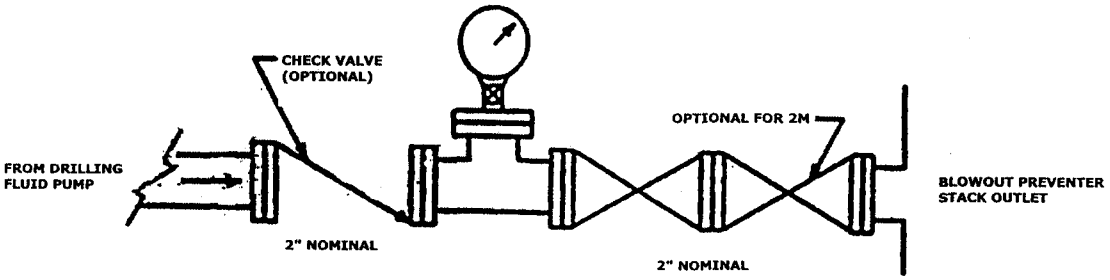
TOPOGRAPHIC MAP	1 MONTH	18 DAY	01 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: K.G.	REVISED: 5-22-01		

BOPE SCHEMATIC

API 3M - 11 - SRRA



KILL LINE – CHOKE LINE/MANIFOLD SCHEMATIC



THREADED CONNECTIONS OPTIONAL FOR 2M RATED WORKING PRESSURE SERVICE

FIGURE K5-1. Typical kill line assembly for 2M and 3M rated working pressure service - surface installation.

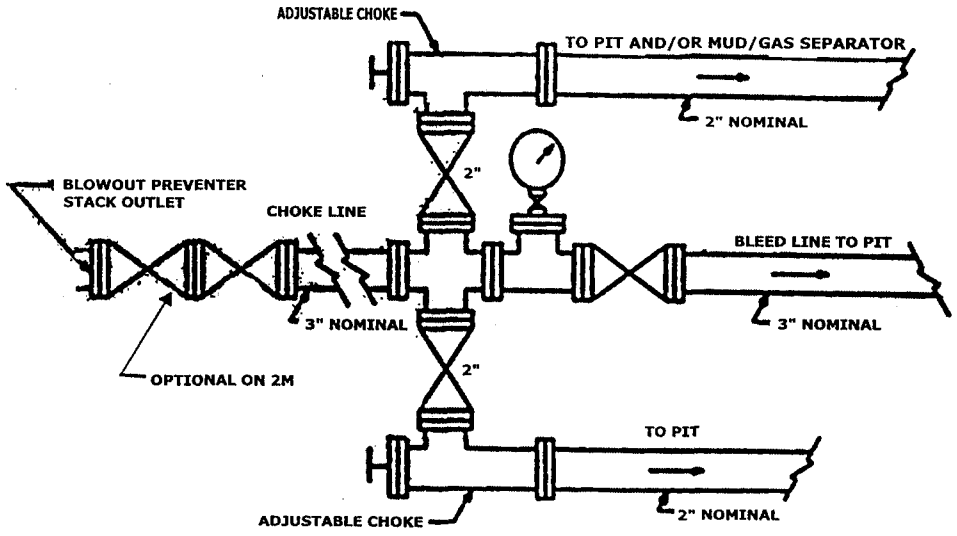


FIGURE K4-1. Typical choke manifold assembly for 2M and 3M rated working pressure service - surface installation.

DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS

OPERATOR: Fat Chance Oil and Gas, LLC
WELL NAME & NUMBER: Crane #6-7
API NUMBER: 43-033-30053
LEASE: Fee (Deseret Land and Livestock) FIELD/UNIT: Wildcat
LOCATION: 1/4,1/4 SE NW Sec 7 TWP: 6 N RNG: 8 E 2363 FNL 1970 FWL
LEGAL WELL SITING: 460' from the drilling unit boundary and 920' from other wells
GPS COORD (UTM): X = 492,923 E; Y = 4,568,465 N Calculated
SURFACE OWNER: Deseret Land and Livestock

Geology/Ground Water:

It is expected that fresh water aquifers containing significant volumes of high quality ground water will be penetrated. A moderately permeable soil is developed on the Tertiary clays of the Wasatch formation. There are 14 active water rights within a mile of this location, Crane Creek is an active water source is within a mile of location. The proposed casing and cementing programs should adequately isolate any zones of fresh water that may be penetrated but the operator must extend the surface casing setting depth as needed to completely contain the USDW's encountered and place cement across all fresh water zones. If the well is plugged and abandoned any zone of fresh water will be protected with cement and cement will be circulated to ground level on the surface casing string. As this location is adjacent to an active water drainage and extra care will be taken to protect any ground or surface water sources.

Reviewer: K. Michael Hebertson **Date**: 25-May-2001

Surface:

The surface belongs to Deseret Land and Livestock and persons representing Deseret Land and Livestock were invited to the on-site inspection . Those attending the onsite are noted above in the Participants section of the review document. Items of concern at this location are surface use agreement, and winter drilling restrictions not yet specified by the surface owner.

Reviewer: K. Michael Hebertson **Date**: 25-May-2001

Conditions of Approval/Application for Permit to Drill:

1. A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.
2. Berms and diversions shall be installed to protect the location and spoil piles.
3. Topsoil and spoil will be placed in low berms rather than tall piles.

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: Fat Chance Oil and Gas, LLC
WELL NAME & NUMBER: Crane #6-7
API NUMBER: 43-033-30053
LEASE: Fee (Deseret Land and Livestock) FIELD/UNIT: Wildcat
LOCATION: 1/4,1/4 SE NW Sec 7 TWP: 6 N RNG: 8 E 2363 FNL 1970 FWL
LEGAL WELL SITING: 460' from the drilling unit boundary and 920' from other wells
GPS COORD (UTM): X = 492,923 E; Y = 4,568,465 N Calculated
SURFACE OWNER: Deseret Land and Livestock

PARTICIPANTS

Mike Hebertson (DOGM), Casey Osborn (Fat Chance), Bill Hopkin (Deseret Land & Livestock)

REGIONAL/LOCAL SETTING & TOPOGRAPHY

This area is located in the Overthrust Belt of eastern Utah and western Wyoming north of the Uinta Mountains. US Highway 80 is about 1.5 miles to the southeast. The Uinta County Wyoming, Airport is located about 1 mile east. Thomas Canyon is the access route to the location, and is also an active drainage with several developed water resources. Crane Creek, which flows eastward out of Thomas Canyon, is active all year long and eventually flows into the Bear River. The City of Evanston is about 5.8 miles to the east. The surface is Paleocene/Eocene age Wasatch formation with possible Evanston formation underlying the area. The land slopes to the southwest and is incised by moderate to shallow drainages with active streams and flowing water.

SURFACE USE PLAN

CURRENT SURFACE USE: Grazing and wildlife habitat.

PROPOSED SURFACE DISTURBANCE: The operator proposes a 270' X 180' pad, outboard soil storage, and a 50' X 70' X 8' outboard attached pit, no new or upgraded road will be required.

LOCATION OF EXISTING WELLS WITHIN A 1-MILE RADIUS: There are no existing wells within 1 mile of this well.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production facilities for this well will remain on the location with exception of the pipelines and utilities for power. The pipeline and utility lines will be buried underground and follow the access road.

SOURCE OF CONSTRUCTION MATERIAL: Gravel location and approach road; soil stored in berm, the location will be made of natural material borrowed from leveling the pad during construction.

ANCILLARY FACILITIES: None

WASTE MANAGEMENT PLAN:

Portable toilets; garbage cans or cages on location will be placed on location and will be emptied into

centralized dumpsters, wh[redacted] will be emptied into an approved land[redacted]. All human waste generated at the site will be kept in proper sanitary facilities and disposed of according to local rules. Extra precautions will be taken due to the proximity of Thomas Canyon and the water resources that are present along the drainage.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: This location is in a secondary drainage to Thomas Canyon and Crane Creek, there is a stock watering pond developed in the mouthof the drainage, and an active spring within ¾ of a mile of this location. All precautions will be taken to insure the integrity of these resources.

FLORA/FAUNA: Open sagebrush, and grass meadows, cactus, birds, lizards, coyotes, rodents, raptors, occasional elk, deer pronghorn and sage grouse.

SOIL TYPE AND CHARACTERISTICS: Mostly clay with very little sand, lots of small rocks to larger pit run type gravel and head sized rocks.

SURFACE FORMATION & CHARACTERISTICS: Wasatch Formation Clay with numerous rocks light gray to medium brown in color. Minor sand, and topsoil. Moderate to Poor Permeability.

EROSION/SEDIMENTATION/STABILITY: Stable. Wasatch type soils are generally susceptible to slumping when slopes are wet and become saturated. The slope of the ground in this location will not be sufficient for the unstable conditions to occur. Erosion and sedimentation at this location will not be an issue.

PALEONTOLOGICAL POTENTIAL: None observed.

RESERVE PIT

CHARACTERISTICS: Dugout, earthen pit, as above.

LINER REQUIREMENTS (Site Ranking Form attached): Synthetic liner is required.

SURFACE RESTORATION/RECLAMATION PLAN

A surface use agreement is in place, and restoration will be managed by the surface owner.

SURFACE AGREEMENT: There is a surface use agreement.

CULTURAL RESOURCES/ARCHAEOLOGY: Archaeological survey not required.

OTHER OBSERVATIONS/COMMENTS:

This area was burned and revegetated by the surface owner two years ago. Discussion was had concerning the establishment of new grass for the livestock using this area during the year, as this is the pasture used by the ranch to wean their animals in the fall.

ATTACHMENTS:

Photographs of the new location were taken.

K. Michael Hebertson
DOGM REPRESENTATIVE

25-May-2001 11:00 AM
DATE/TIME

Evaluation Ranking Criteria and Ranking Score
Reserve and Onsite Pit Liner Requirements

Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	10
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	15
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	0
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	0
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	10
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Based Mud	15	
Fluid containing significant levels of hazardous constituents	20	10
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	0
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	10
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	0
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	0

Final Score 60 (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.
Sensitivity Level II = 15-19; lining is discretionary.
Sensitivity Level III = below 15; no specific lining is required.

Fat Chance Oil & Gas, Crane #6-7, Sec. 6, T6N, R8E, Rich County, API 43-033-30053

Well name:	**06-01 Fat Chance Crane 6-7**
Operator:	**Fat Chance Oil**
String type:	Production
Project ID:	43-033-30053
Location:	Rich Co.

Design parameters:

Collapse

Mud weight: 9.500 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 0 psi

Internal gradient: 0.494 psi/ft

Calculated BHP 2,467 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on air weight.

Neutral point: 4,286 ft

Environment:

H2S considered? No

Surface temperature: 65 °F

Bottom hole temperature: 135 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 368 ft

Cement top: 3,258 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	5000	7	23.00	J-55	ST&C	5000	5000	6.25	231.1

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2467	3270	1.33	2467	4360	1.77	115	284	2.47 J

Prepared by: R.A.McKee
Utah Dept. of Natural Resources

Date: June 4,2001
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 5000 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**06-01 Fat Chance Crane 6-7**
Operator:	**Fat Chance Oil**
String type:	Surface
Location:	Rich Co.
Project ID:	43-033-30053

Design parameters:

Collapse

Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 0 psi
Internal gradient: 0.494 psi/ft
Calculated BHP 247 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 434 ft

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 72 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 200 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:

Next setting depth: 5,000 ft
Next mud weight: 9.500 ppg
Next setting BHP: 2,468 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 500 ft
Injection pressure 500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	500	9.625	32.30	H-40	ST&C	500	500	8.876	31.7

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	234	1370	5.86	247	2270	9.20	16	254	15.73 J

Prepared by: R.A.McKee
Utah Dept. of Natural Resources

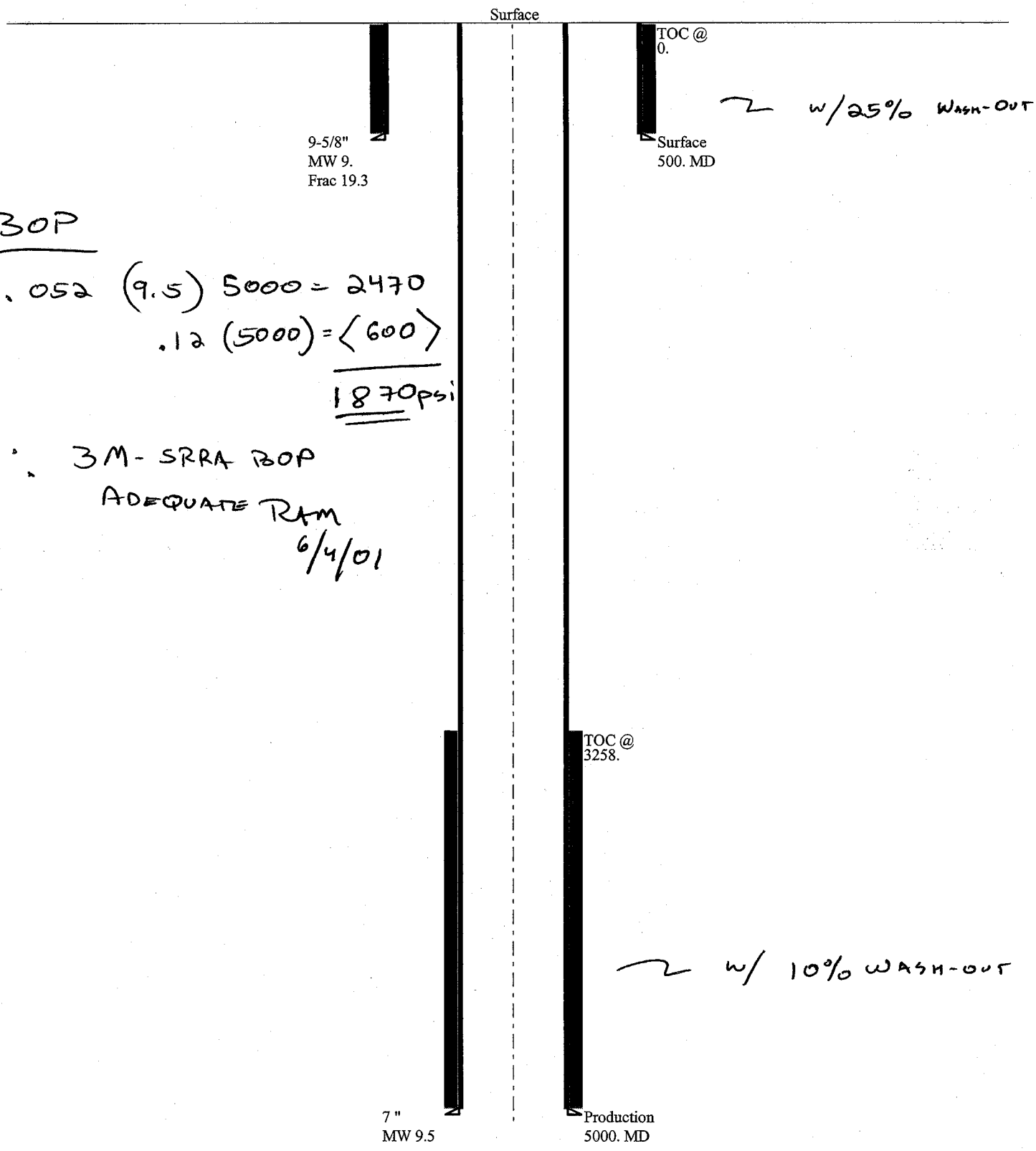
Date: June 4,2001
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 500 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

06-01 Fat Chance Crane 6

Casing Schematic



QUANECO, LLC

June 5, 2001

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

RE: Crane 6-7 – Exception Location

Attention:

The Crane 6-7 was originally staked and surveyed in a location that required excessive cut and surface disturbance as well as road relocation. Therefore, an alternate location was selected. The alternate site was surveyed and the center stake was moved approximately 238' south and 34' west. The alternate location remains within the SE ¼ NW ¼ of Section 7, but is within 460' of the south boundary of the SE ¼ NW ¼. Therefore, the alternate location is now an exception location.

Fat Chance Oil and Gas, LLC is the lessee of the minerals surrounding this 40-acre ¼ ¼ section (SE ¼ NW ¼ Section 7, T6N, R8E) including the 40-acre ¼ ¼ section directly to the south (NE SW Section 7, T6N, R8E). An amended APD and survey were submitted to your office May 24, 2001reflecting the changes. Fat Chance Oil and Gas, LLC requests that the aforementioned amended APD be approved based upon the submitted alternate survey.

Thank you for your prompt attention and cooperation.

Sincerely,

Casey Osborn by Lorna James Admin. Asst

Casey Osborn
Operations Manager

RECEIVED
JUN 11 2001
DIVISION OF
OIL, GAS AND MINING

850 Val Vista-Box 7370-Sheridan, WY 82801-Office 307-673-1500-Fax 307-673-1400

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

June 13, 2001

Fat Chance Oil & Gas, LLC
PO Box 7370
Sheridan WY 82801

Re: Crane 6-7 Well, 2363' FNL, 1970' FWL, SE NW, Sec. 7, T. 6 North, R. 8 East, Rich County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-033-30053.

Sincerely,

John R. Baza
Associate Director

er
Enclosures
cc: Rich County Assessor

Operator: Fat Chance Oil & Gas, LLC

Well Name & Number Crane 6-7

API Number: 43-033-30053

Lease: Fee

Location: SE NW **Sec.** 7 **T.** 6 North **R.** 8 East

Conditions of Approval

1. General

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

   The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

   - 24 hours prior to cementing or testing casing
   - 24 hours prior to testing blowout prevention equipment
   - 24 hours prior to spudding the well
   - within 24 hours of any emergency changes made to the approved drilling program
   - prior to commencing operations to plug and abandon the well

   The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

   - Dan Jarvis at (801) 538-5338
   - Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

5. Operator shall comply with applicable recommendations resulting from Resource Development Coordinating Committee review. Statements attached.

CONFIDENTIAL

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: Crane 6-7

2. NAME OF OPERATOR: Fat Chance Oil & Gas, LLC

9. API NUMBER: 4303330053

3. ADDRESS OF OPERATOR: PO Box 7370 CITY Sheridan STATE WY ZIP 82801

PHONE NUMBER: (307) 673-1500

10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2363' FNL 1970' FWL

COUNTY: Rich

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 7 6N 8E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: _____	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Extension of Permit
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operator requests a one year extension of approval for permit to drill to allow further evaluation of offset wells.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 05-20-02

By:

COPY SENT TO OPERATOR
Date: 5-20-02
Initials: CHD

NAME (PLEASE PRINT) Lorna James TITLE Administrative Assistant

SIGNATURE Lorna James DATE 5/13/2002

(This space for State use only)

RECEIVED
MAY 16 2002
DIVISION OF
OIL, GAS AND MINING

(5/2000)

(See Instructions on Reverse Side)

RECEIVED
MAY 16 2002
DIVISION OF
OIL, GAS AND MINING

CONFIDENTIAL

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: Crane 6-7

2. NAME OF OPERATOR: Fat Chance Oil & Gas, LLC

9. API NUMBER: 4303330053

3. ADDRESS OF OPERATOR: PO Box 7370 CITY Sheridan STATE WY ZIP 82801

PHONE NUMBER: (307) 673-1500

10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2363' FNL 1970' FWL

COUNTY: Rich

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 7 T6N R8E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
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	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: APD Extension
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operator requests a one year extension of APD.

Approved by the
Utah Division of
Oil, Gas and Mining
Date: 07-03-03
By:

COPY SENT TO OPERATOR
Date: 7-8-03
Initials: CHD

NAME (PLEASE PRINT) Lorna James TITLE Administrative Assistant

SIGNATURE Lorna James DATE 6/25/2003

(This space for State use only)

RECEIVED
JUL 02 2003
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

[redacted]

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 4303330053
Well Name: Crane 6-7
Location: SENW, Section 7, T6N, R8E, SLM, Rich County
Company Permit Issued to: Fat Chance Oil & Gas, LLC
Date Original Permit Issued: 6/13/2001

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐No☑

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐No☑

Has the approved source of water for drilling changed? Yes☐No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐No☑

Is bonding still in place, which covers this proposed well? Yes☑No☐

Signature

6/25/2003
Date

Title: Administrative Assistant

Representing: Fat Chance Oil & Gas, LLC

RECEIVED
JUL 02 2003
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: Crane 6-7

2. NAME OF OPERATOR: Fat Chance Oil & Gas, LLC

9. API NUMBER: 4303330053

3. ADDRESS OF OPERATOR: PO Box 7370 CITY Sheridan STATE WY ZIP 82801

PHONE NUMBER: (307) 673-1500

10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2363' FNL 1970' FWL

COUNTY: Rich

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 7 T6N R8E S

STATE: UTAH

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	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
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Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
_____	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: _____
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please change the Operator to:

Quaneco, LLC
PO Box 7370
Sheridan WY 82801

Effective: July 19, 2003
Bond# 885588C

Fat Chance Oil & Gas, LLC
Casey Osborn

Quaneco, LLC
Casey Osborn

NAME (PLEASE PRINT) Lorna James TITLE Adminstrative Assistant

SIGNATURE Lorna James DATE 8/13/2003

(This space for State use only)

RECEIVED
AUG 25 2003
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold) — Designation of Agent/Operator

X Operator Name Change — Merger

The operator of the well(s) listed below has changed, effective: **7/19/2003**

FROM: (Old Operator):	**TO:** (New Operator):
N1395 - Fat Chance Oil & Gas, LLC PO Box 7370 Sheridan, WY 82801 Phone: 1-(307) 673-1500	N2495 - Quaneco, LLC PO Box 7370 Sheridan, WY 82801 Phone: 1-(307) 673-1500

CA No. **Unit:**

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
COALVILLE 9-3	03	020N	050E	4304330322		Fee	GW	APD	C
COALVILLE 12-3	03	020N	050E	4304330323		Fee	GW	APD	C
SUTTONS 4-12	12	060N	070E	4303330058	13286	Fee	GW	S	C
CRANE 4-4	04	060N	080E	4303330049	13056	Fee	GW	S	C
CRANE 12-4	04	060N	080E	4303330050	13057	Fee	GW	S	C
CRANE 13-6	06	060N	080E	4303330054		Fee	GW	APD	C
CRANE 6-7	07	060N	080E	4303330053		Fee	GW	APD	C
CRANE 13-8	08	060N	080E	4303330052	13093	Fee	GW	S	C
CRANE 13-18	18	060N	080E	4303330055		Fee	GW	APD	C
STACEY HOLLOW 14-35	35	070N	070E	4303330056	13104	Fee	GW	S	C
SIMS 13-33	33	070N	080E	4303330051		Fee	GW	APD	C
NEPONSET 4-35	35	080N	070E	4303330048		Fee	GW	APD	C
MURPHY RIDGE 1-32	32	080N	080E	4303330045	12970	State	GW	S	C
MURPHY RIDGE 7-32	32	080N	080E	4303330046		State	GW	APD	C
CRAWFORD 4-25	25	090N	070E	4303330065		Fee	GW	APD	C

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 8/25/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 8/25/2003
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 8/25/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 4743368-0161
5. If **NO**, the operator was contacted contacted on: _____

6. (R649-9-2)Waste Management Plan has been received on: _____

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases or N/A

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

10. **Underground Injection Control ("UIC"** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 10/31/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 10/31/2003
3. Bond information entered in RBDMS on: 10/31/2003
4. Fee wells attached to bond in RBDMS on: 10/31/2003

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: 885708C

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: N/A

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: N/A

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 885588C

2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 10/30/2003

COMMENTS:

Michael O. Leavitt
Governor
Robert L. Morgan
Executive Director
Lowell P. Braxton
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
(801) 538-5340 telephone
(801) 359-3940 fax
(801) 538-7223 TTY
www.nr.utah.gov

November 25, 2004 3

Lorna James
Fat Chance Oil & Gas, LLC
PO Box 7370
Sheridan, WY 82801

Re: Notification of Sale or Transfer of Fee Lease Interest

Dear Ms. James:

The Division has received notification of a operator change from Fat Chance Oil & Gas, LLC to Quaneco, LLC for the attached list of wells which are located on fee leases.

Utah Administrative Rule R649-2-10 states; the owner of a lease shall provide notification to any person with an interest in such lease, when all or part of that interest in the lease is sold or transferred.

This letter is written to advise Fat Chance Oil & Gas, LLC of its responsibility to notify all individuals with an interest in this lease (royalty interest and working interest) of the change of operator. Please provide written documentation of this notification to:

Utah Royalty Owners Association
Box 1292
Roosevelt, Utah 84066

Your assistance in this matter is appreciated.

Sincerely,

ER

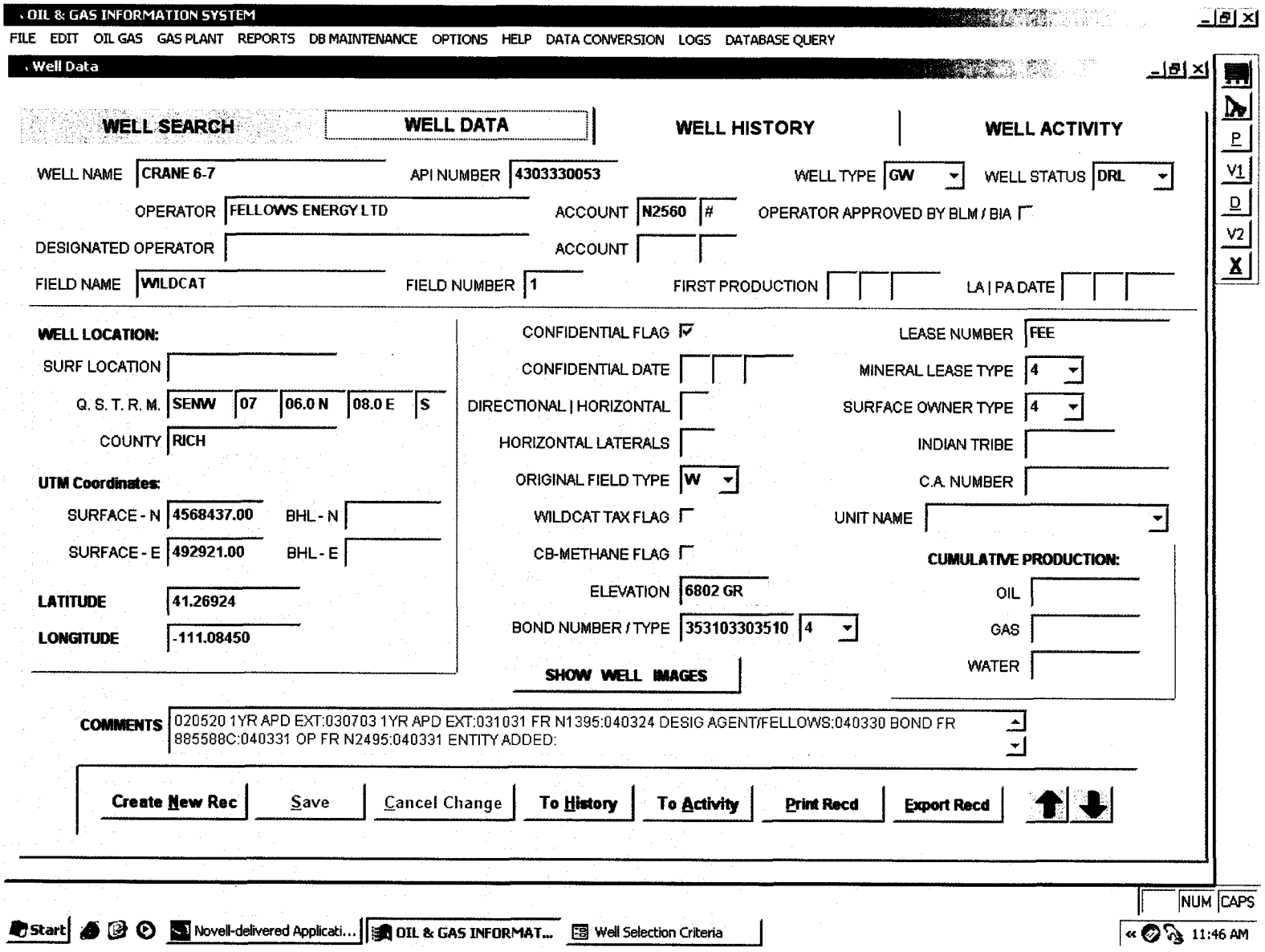
Earlene Russell
Engineering Technician

cc: Utah Royalty Owners Association, Lamar Wilson
John R. Baza, Associate Director

Fat Chance Oil & Gas, LLC
November 25, 2004

ATTACHMENT "A"

Well Name	Sec.-Twsp -Rng.	API Number
NEPONSET 4-35	35 080N 070E	4303330048
CRANE 4-4	04 060N 080E	4303330049
CRANE 12-4	04 060N 080E	4303330050
SIMS 13-33	33 070N 080E	4303330051
CRANE 13-8	08 060N 080E	4303330052
CRANE 6-7	07 060N 080E	4303330053
CRANE 13-6	06 060N 080E	4303330054
CRANE 13-18	18 060N 080E	4303330055
STACEY HOLLOW 14-35	35 070N 070E	4303330056
SUTTONS 4-12	12 060N 070E	4303330058
CRAWFORD 4-25	25 090N 070E	4303330065
COALVILLE 9-3	03 020N 050E	4304330322
COALVILLE 12-3	03 020N 050E	4304330323


OIL & GAS INFORMATION SYSTEM
FILE EDIT OIL GAS GAS PLANT REPORTS DB MAINTENANCE OPTIONS HELP DATA CONVERSION LOGS DATABASE QUERY
Well Data
WELL SEARCH
WELL DATA
WELL HISTORY
WELL ACTIVITY
WELL NAME CRANE 6-7
API NUMBER 4303330053
WELL TYPE GW
WELL STATUS DRL
OPERATOR FELLOWS ENERGY LTD
ACCOUNT N2560 #
OPERATOR APPROVED BY BLM / BIA
DESIGNATED OPERATOR
ACCOUNT
FIELD NAME WILDCAT
FIELD NUMBER 1
FIRST PRODUCTION
LA | PA DATE
WELL LOCATION:
SURF LOCATION
Q. S. T. R. M. SENW 07 06.0 N 08.0 E S
COUNTY RICH
UTM Coordinates:
SURFACE - N 4568437.00
BHL - N
SURFACE - E 492921.00
BHL - E
LATITUDE 41.26924
LONGITUDE -111.08450
CONFIDENTIAL FLAG
CONFIDENTIAL DATE
DIRECTIONAL | HORIZONTAL
HORIZONTAL LATERALS
ORIGINAL FIELD TYPE W
WILDCAT TAX FLAG
CB-METHANE FLAG
ELEVATION 6802 GR
BOND NUMBER / TYPE 353103303510 4
SHOW WELL IMAGES
LEASE NUMBER FEE
MINERAL LEASE TYPE 4
SURFACE OWNER TYPE 4
INDIAN TRIBE
C.A. NUMBER
UNIT NAME
CUMULATIVE PRODUCTION:
OIL
GAS
WATER
COMMENTS 020520 1YR APD EXT:030703 1YR APD EXT:031031 FR N1395:040324 DESIG AGENT/FELLOWS:040330 BOND FR 885588C:040331 OP FR N2495:040331 ENTITY ADDED:
Create New Rec
Save
Cancel Change
To History
To Activity
Print Recd
Export Recd
P
V1
D
V2
X
Start
Novell-delivered Applicati...
OIL & GAS INFORMAT...
Well Selection Criteria
NUM CAPS
11:46 AM

FELLOWS ENERGY

CRANE
6-7

API Well No.:

31-Mar-04
RICH CO., UTAH

8 5/8 SURFACE CASING

Customer Representative:
CLIFF MURRAY
Halliburton Operator:
WAYNE MOUNT
Ticket No.:
3008090

HALLIBURTON

JOB SUMMARY

SAP #/TICKET # 3008090	TICKET DATE 03/31/04		
REGION NORTH AMERICA LAND	NWA / COUNTRY WESTERN	BDA / STATE DENVER,CO	COUNTY RICH CO., UTAH
MBU ID / EMPL # 247118	H.E.S EMPLOYEE NAME WAYNE MOUNT	PSL DEPARTMENT 10003 CEMENTING SERVICES	
LOCATION 10142 ROCK SPRINGS, WY	COMPANY FELLOWS ENERGY	CUSTOMER REP / PHONE CLIFF MURRAY	
TICKET AMOUNT $17,891.62	WELL TYPE 02 GAS	API/UWI #	
WELL LOCATION WEST OF EVANSTON, WY	DEPARTMENT CEMENTING SERVICES 10003	SAP BOMB NUMBER 7521	DESCRIPTION 8 5/8 SURFACE CASING
LEASE NAME CRANE	WELL NO. 6-7	SEC / TWP / RNG S7 - T6N - R8E	

H.E.S. EMP NAME / EMP # / (EXPOSURE HOURS)	HRS		HRS		HRS		HRS
W. MOUNT 247118	6.0	D. LISH 295022	6.0	C. WARNE S.O.S.	6.0		

H.E.S. UNIT #S / (R / T MILES)	R / T MILES			R / T MILES			R / T MILES		R / T MILES
10286388 (WM)	240	10240238	10025185 RCM	240	10026607	10025023*660	240		

Form. Name _____ Type: GAS
Form. Thickness _____ From _____ To _____
Packer Type _____ Set At _____
Bottom Hole Temp. _____ Pressure _____
Retainer Depth _____ Total Depth _____

	Called Out	On Location	Job Started	Job Completed
Date	3/31/04	3/31/04	3/31/04	3/31/04
Time	0830	1200	1606	1710

Tools and Accessories

Type and Size	Qty	Make
Float Collar	1	SSII
Float Shoe		
Guide Shoe	1	
Centralizers	4	
Bottom Plug		
Top Plug	1	5W
PDF Collar		
PDF Shoe		
L Clamp	1	
DV Tool		
Guide Shoe		
Plug Set		
Weld-a	1	

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Conductor Casing							
Surface Casing	NEW	24.0	8 5/8	J-55	0	513	
Intermediate Casing							
Production Casing							
Liner							
Tubing							
Tubing							
Drill Pipe							
Drill Pipe							
Open Hole							Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials And Tank Strap

Mud Type WBM Density 10.5 Lb/Gal
Disp. Fluid H2O Density 8.33 Lb/Gal

Plug #1 Set at _____ to _____ Ft _____ Sks
Plug #2 Set at _____ to _____ Ft _____ Sks
Plug #3 Set at _____ to _____ Ft _____ Sks
Plug #4 Set at _____ to _____ Ft _____ Sks
Plug #5 Set at _____ to _____ Ft _____ Sks
Plug #6 Set at _____ to _____ Ft _____ Sks
Plug #7 Set at _____ to _____ Ft _____ Sks
Plug #8 Set at _____ to _____ Ft _____ Sks

Beging Strap _____ EndStrap _____ Lead Cmt
Beging Strap _____ EndStrap _____ Lead Cmt
Beging Strap _____ EndStrap _____ Lead Cmt
Beging Strap _____ EndStrap _____ Lead Cmt
Beging Strap _____ EndStrap _____ Tail Cmt
Beging Strap _____ EndStrap _____ Tail Cmt

Hours On Location

Date	Hours
3/31	6.00
Total	6.0

Operating Hours (Pumping)

Date	Hours
3/31	1.00
Total	1.0

OPERATING TIME(RIG UP/RIG DOWN)

DATE	HRS. / MIN.
3/31	2
TOTAL	2

Hydraulic Horsepower
Ordered _____ Avail. _____ Used _____

Average Rates in BPM
Treating _____ Disp. _____ Overall _____

Cement Left in Pipe
Feet 43.0 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal	BBLs
1	350	AG-300	BULK	2% CC, 1/4#/SK FLOCELE, 1/4 #/SK KWIKSEAL	5.00	1.15	15.8	71.7
2								0.0
3								0.0
4								0.0
5								0.0
6								0.0

Circulating		Displacement		Preflush:	Gal - BBl		Type:
Breakdown		Maximum		Circulate Hole	Gal - BBl		Pad:Bbl -Gal
Lost Returns-YES		Lost Returns-NO	XXXX	Excess /ReturnGal BBl			Calc.Disp Bbl 29.9
Cmt Rtrn#Bbl	29	Actual TOC	SURFACE	Calc. TOC:		SURFACE	Actual Disp. 29
Average		Frac. Gradient		Treatment:	Gal - BBl		Disp:Bbl-Gal BBL
Shut In: Instant		15 Min.	30 Min.	Cement Slurry:	Gal - BBl	72	
				Total Volume	Gal - BBl	101	

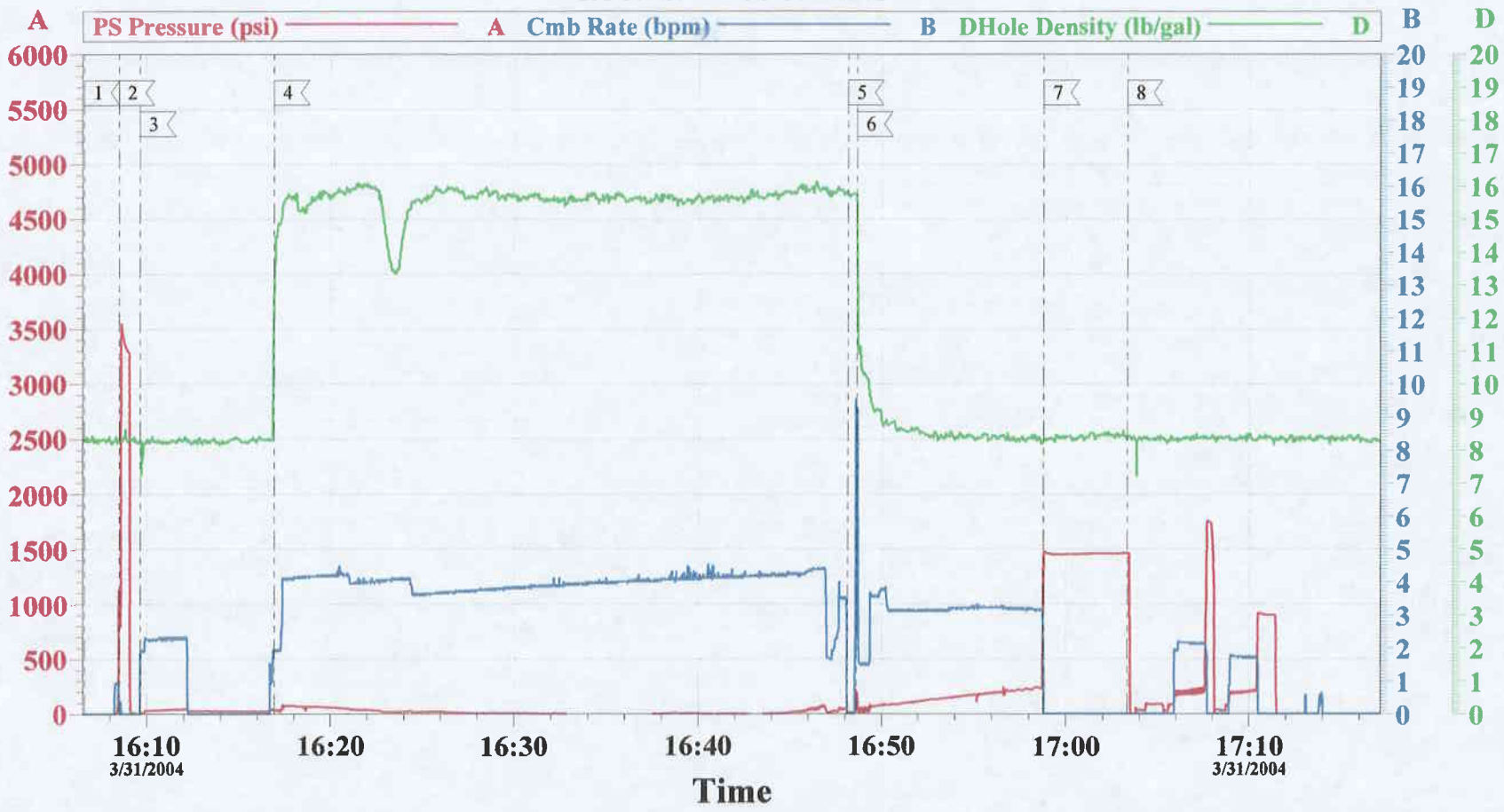
THE INFORMATION STATED HEREIN IS CORRECT
CUSTOMER REPRESENTATIVE CLIFF MURRAY
SIGNATURE

Job Log

Halliburton		TICKET # 3008090	TICKET DATE 03/31/04
REGION NORTH AMERICA LAND	NWA / COUNTRY WESTERN	BDA / STATE DENVER,CO	COUNTY RICH CO., UTAH
MBU ID / EMPL # 247118	H.E.S EMPLOYEE NAME WAYNE MOUNT	PSL DEPARTMENT 10003 CEMENTING SERVICES	
LOCATION 10142 ROCK SPRINGS, WY	COMPANY FELLOWS ENERGY	CUSTOMER REP / PHONE CLIFF MURRAY	
TICKET AMOUNT $17,891.62	WELL TYPE 02 GAS	API/UWI #	
WELL LOCATION WEST OF EVANSTON, WY	DEPARTMENT CEMENTING SERVICES 10003	JOB PURPOSE CODE 7521	
LEASE / WELL # CRANE	Well No. 6-7	SEC / TWP / RNG S7 - T6N - R8E	

DATE	Time	Rate (BPM)	Volume (BBL)(GAL)	Pmps T	Pmps C	Press.(PSI) Tbg	Press.(PSI) Csg	Job Description / Remarks
03/31/04	0830							CALL OUT TIME
	0930							SAFETY MEETING
	0940							LEAVE YARD
	1200							ARRIVE ON LOCATION
	1210							SAFETY MEETING
	1215							SPOT EQUIPMENT / RIG UP
	1600							SAFETY MEETING WITH RIG
	1608						3500	TEST LINES
	1609	4.0	6.0				50	PUMP H2O SPACER
	1617	4.0	72.0				50	MIX AND PUMP 350 SKS AG-300 CEMENT
								15.8 PPG 1.15 YIELD 5 GAL/SK
								2% CC, 1/4#/SK FLOCELE, 1/4 #/SK KWIKSEAL
	1648							SHUT DOWN
	1648							DROP TOP PLUG
	1649	3.5	39.9				100-300	PUMP H2O DISPLACEMENT
	1658						1300	BUMP PLUG
	1703							CHECK FLOATS – DID NOT HOLD
	1708							PRESSURE UP ON CASING AND SHUT IN
	1715							SAFETY MEETING
	1730							RIG DOWN
	1800							RELEASED FROM LOCATION
								THANK YOU, WAYNE MOUNT AND CREW!!

ROCK SPRINGS CEMENT



Event Log

1	Start Job	16:06:36	2	Test Lines	16:08:30	3	Pump Spacer 1	16:09:39
4	Pump Cement	16:16:55	5	Shut Down / Drop Top Plug	16:48:08	6	Pump Displacement	16:48:38
7	Bump Plug	16:58:47	8	Check Floats	17:03:20			

Customer: FELLOWS ENERGY	**Job Date:** 3/31/04	**Ticket #:** 3008090
Well Description: CRANE 6-7	**Operator:** WAYNE MOUNT	**Job Type:** 8 5/8 SURFACE CASING

HALLIBURTON

CemWin v1.5.0
31-Mar-04 17:25

Fax Transmittal Form

P.O. Box 7370
850 Val Vista
Sheridan WY 82801-7370

To

Name: Vickie

Organization Name/Dept:

Phone number:

Fax number:

From

Ouaneco, LLC

Phone: 307-673-1500

Fax: 307-673-1400

Name: Lorna James

Date sent: 3-17-04

Time Sent:

Number of pages including cover page: 2

Message:

RECEIVED

MAR 17 2004

DIV. OF OIL, GAS & MINING

QUANECO, LLC

850 Val Vista-Box 7370-Sheridan, WY 82801-Office 307-673-1500-Fax 307-673-1400 quaneco@fiberpipe.net

3/17/2004

To Whom It May Concern:

Quaneco, LLC does here by authorize Steven Prince and Cliff Murray to have full access to all well files permitted by Quaneco, LLC or Fat Chance Oil and Gas, LLC. This authorization is not limited to permit information. The above individuals have full access to all records we have submitted including logs.

Sincerely,

Lorna James

Lorna James

Administrative Assistant

FORM 5

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

DESIGNATION OF AGENT OR OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: Deseret

LEASE NUMBER: Fee

and hereby designates

NAME: Fellows Energy, Ltd.

ADDRESS: 807 N. Pinewood Circle

city Price state UT zip 84051

as his (check one) agent ☒ / operator ☐, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

(Describe acreage to which this designation is applicable. Identify each oil and gas well by API number and name. Attach additional pages as needed.)

Crane 6-7 well location specified as API# 4303330053

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MAR 24 2004
DIV. OF OIL, GAS & MINING

It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation: 03/16/2004

BY: (Name) Casey Osborn

(Signature) Casey Osborn

(Title) Operations Manager

(Phone) (307) 673-1500

OF: (Company) Quaneco, LLC

(Address) PO Box 7370

city Sheridan

state WY zip 82801

(5/2000)

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **QUANECO LLC**

Well Name: **CRANE 6-7**

Api No: **43-033-30053** Lease Type: **FEE**

Section **07** Township **06N** Range **08E** County **RICH**

Drilling Contractor **MIDWAY DRILLING** **RIG #** **1**

SPUDDED:

Date **03/25/04**

Time **3:00 PM**

How **ROTARY**

Drilling will commence:

Reported by **CLIFF MURRAY**

Telephone # **1-435-650-5387**

Date **03/26/2004** Signed **CHD**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER
8. WELL NAME and NUMBER: Crane 6-7
2. NAME OF OPERATOR: Quaneco, LLC
9. API NUMBER: 4303330053
3. ADDRESS OF OPERATOR: PO Box 7370 CITY Sheridan STATE WY ZIP 82801
PHONE NUMBER: (307) 673-1500
10. FIELD AND POOL, OR WILDCAT: Wildcat
4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2363' FNL 1970' FWL
COUNTY: Rich
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 7 T6N R6E S
STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: transfer of permit
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please transfer the APD for this well to :

Fellows Energy Ltd
807 N. Pinewood Circle
Price UT 84051

NAME (PLEASE PRINT) Lorna James TITLE Administrative Assistant

SIGNATURE Lorna James DATE 3/29/2004

(This space for State use only)

RECEIVED
MAR 2 9 2004
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Request to Transfer Application or Permit to Drill

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	Crane 6-7
API number:	4303330053
Location:	Qtr-Qtr: SENW Section: 7 Township: 6S Range: R8E
Company that filed original application:	Fat Chance OIL & GAS
Date original permit was issued:	6-13-2001
Company that permit was issued to:	FAT CHANCE OIL & GAS

Check one	Desired Action:
	Transfer pending (unapproved) Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
✔	**Transfer approved Application for Permit to Drill to new operator**
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?		✔
If so, has the surface agreement been updated?		✔
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?		✔
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?		✔
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?		✔
Has the approved source of water for drilling changed?		✔
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?		✔
Is bonding still in place, which covers this proposed well? Bond No. blanket statewide 3531033035 10	✔	

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Steven L. Prince Title Vice President, Operations

Signature Steven L. Prince Date 03/24/2004

Representing (company name) Fellows Energy Ltd.

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

RECEIVED
MAR 2 9 2004
DIV. OF OIL, GAS & MINING

FORM 5

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

DESIGNATION OF AGENT OR OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: Deseret

LEASE NUMBER: Fee

and hereby designates

NAME: Fellows Energy Ltd.

ADDRESS: 807 N. Pinewood Circle

city Price state UT zip 84051

as his (check one) agent ☐ / operator ☑, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

(Describe acreage to which this designation is applicable. Identify each oil and gas well by API number and name. Attach additional pages as needed.)

Crane 6-7 API# 4303330053 located in Township 6 North, Range 8 East, Section 7: SENW

It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation: 03/29/2004

BY: (Name) Lorna James

(Signature) Lorna James

(Title) Administrative Assistant

(Phone) (307) 673-1500

OF: (Company) Quaneco, LLC

(Address) PO Box 7370

city Sheridan

state WY zip 82801

(5/2000)

RECEIVED

MAR 2 9 2004

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

7. UNIT or CA AGREEMENT NAME: NA

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: Crane 6-7

2. NAME OF OPERATOR: Fellows Energy Ltd.

9. API NUMBER: 4303330053

3. ADDRESS OF OPERATOR: 807 N. Pinewood Circle CITY Price STATE UT ZIP 84501

PHONE NUMBER: (435) 650-4492

10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2363' FNL 1970' FWL

COUNTY: Rich

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 7 T6N R8E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 3/25/2004	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Change operator for this well from Quaneco, LLC and/or Fat Chance Oil & Gas, LLC to Fellows Energy Ltd.

NAME (PLEASE PRINT) Steven L. Prince TITLE Vice President, Operations

SIGNATURE Steven L Prince DATE 3/24/2004

(This space for State use only)

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MAR 2 9 2004
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:
8. WELL NAME and NUMBER: Crane 6-7
9. API NUMBER: 4303330053
10. FIELD AND POOL, OR WILDCAT: Wildcat

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

CONFIDENTIAL

2. NAME OF OPERATOR: Fellows Energy Ltd.
3. ADDRESS OF OPERATOR: 807 N. Pinewood Circle CITY Price STATE UT ZIP 84501 PHONE NUMBER: (435) 650-4492
4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2353' FNL 1970' FWL COUNTY: Rich
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 7 T6N R8E S STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 3/25/2004	☑ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☑ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
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	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Change Surface Casing: FROM 9-5/8" H-40 32.3 #/ft TO 8-5/8" H-40 28#/ft
Change Surface Cement: 350 sacks of "G" (1.18 cf/sack, 15.6 #/gal)
Change Production Casing: FROM 7" K-55 23#/ft TO 5-1/2" K-55 17#/ft (or N-80 17#/ft)
Change Production Cement: Lead: 542 sacks of "G" 35/65 POZ (1.89 cf/sack, 12.4 #/gal); Tail: 70 sacks of "G" Thix (1.6 cf/sack, 14.2 #/gal)

We also plan to dig and line a small (10'X24') pit for surface drilling and cementing. The pit shall be reclaimed as soon after setting surface casing as practical.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 3/30/2004
BY: [signature]

RECEIVED
MAR 26 2004
DIV. OF OIL, GAS & MINING

R649-3-8-1

* Surface Casing shall be cemented to surface in accordance with R649-3-8-4
* Production Casing shall be cemented above Adaville (± 1000') R649-3-8-4

NAME (PLEASE PRINT) Steven L. Prince TITLE Vice President, Operations
SIGNATURE Steven L. Prince DATE 3/25/2004

(This space for State use only)

Lorna James for Quaneco LLC
3-25-04

COPY SENT TO OPERATOR
Date: 3-30-2004
Initials: CHD

Northeastern Utah core hole targeting Cretaceous coals under way

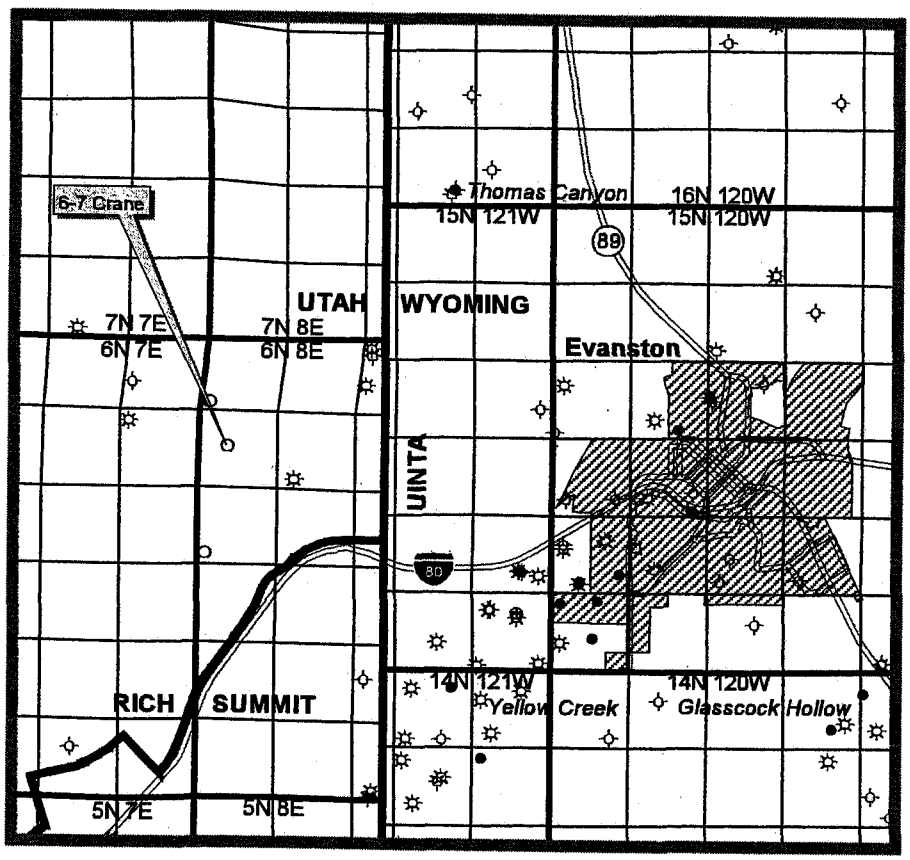
BROOMFIELD, COLORADO-BASED Fellows Energy Ltd said it has spudded a core hole on the northeastern Utah salient of the Overthrust Belt approximately six miles west of Evanston, Wyoming.

The 6-7 Crane, se nw 7-6n-8e, southeastern Rich County, is designed as a core test of the Spring Valley (Frontier) and Bear River coals. A continuous coring, wireline retrievable, system will be used to recover the coal and carbonaceous shale core samples for gas content analysis, according to Fellows. The company said the core analysis, combined with information from three wells previously drilled in the vicinity by Quaneco LLC, will help it formulate total gas-in-place estimates.

Drilling of the 6-7 Crane is expected to take 3-4 weeks to reach its projected depth of 5000 ft.

The 6-7 Crane originally was permitted by Fat Chance Oil & Gas LLC (subsequently Quaneco) in 2001. Fellows recently entered into a purchase and option agreement with Quaneco to acquire a 65 percent working interest in the "Overthrust Project," which comprises over 183,000 acres of leases in northeastern Utah and southwestern Wyoming. Quaneco previously drilled seven exploratory wells that identified multiple coal seams of Tertiary and Cretaceous age that appear to be prospective for coalbed methane, according to Fellows.

The 6-7 Crane is nearly two miles west of the Wyoming border and about five miles southwest of the Thomas Canyon field discovery, a Bear River oil producer completed in 1987 in Uinta County, Wyoming.



Fax Transmittal Form

QUANECO, LLC
P.O. Box 7370
850 Val Vista
Sheridan WY 82801-7370

To
Name: Dustin Doucet
Organization Name/Dept:
Phone number:
Fax number:

From
Quaneco, LLC
Phone: 307-673-1500
Fax: 307-673-1400
Name: Lorna

Date sent:
Time Sent:
Number of pages including cover page: 2

Message:

RECEIVED
MAR 26 2004
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER CONFIDENTIAL

8. WELL NAME and NUMBER: Crane 6-7

2. NAME OF OPERATOR: Fellows Energy Ltd.

9. API NUMBER: 4303330053

3. ADDRESS OF OPERATOR: 807 N. Pinewood Circle CITY Price STATE UT ZIP 84501

PHONE NUMBER: (435) 650-4492

10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2363' FNL 1970' FWL

COUNTY: Rich

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 7 T6N R8E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 3/25/2004	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☑ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

We plan to core the coals in the Frontier and Kelvin Formations.

COPY SENT TO OPERATOR
Date: 3-30-04
Initials: CHD

NAME (PLEASE PRINT) Steven L. Prince TITLE Vice President, Operations

SIGNATURE Steven L. Prince DATE 3/29/2004

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 3/30/2004
BY: [signature]

RECEIVED
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DIV. OF OIL, GAS & MINING

CONFIDENTIAL

Well name:	**3-04 Fellows Crane 6-7rev.**
Operator:	**Quanneco/Fellows**
String type:	Production
Location:	Rich Co.
Project ID:	43-033-30053

Design parameters:

Collapse
Mud weight: 9.500 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 0 psi
Internal gradient: 0.494 psi/ft
Calculated BHP 2,467 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 4,280 ft

Environment:
H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 135 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 368 ft

Cement top: 1,660 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	5000	5.5	17.00	K-55	ST&C	5000	5000	4.767	172.3

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2467	4910	1.99	2467	5320	2.16	85	252	2.96 J

Prepared by: Dustin K. Doucet
Utah Dept. of Natural Resources

Date: March 29,2004
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 5000 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

CONFIDENTIAL

Well name:	**3-04 Fellows Crane 6-7rev.**
Operator:	**Quanneco/Fellows**
String type:	Surface
Location:	Rich Co.
Project ID:	43-033-30053

Design parameters:

Collapse
Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 0 psi
Internal gradient: 0.494 psi/ft
Calculated BHP 247 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 434 ft

Environment:
H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 72 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 200 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:
Next setting depth: 5,000 ft
Next mud weight: 9.500 ppg
Next setting BHP: 2,468 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 500 ft
Injection pressure 500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	500	8.625	28.00	H-40	ST&C	500	500	7.892	27.6

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	234	1610	6.89	247	2470	10.01	14	233	16.64 J

Prepared by: Dustin K. Doucet
Utah Dept. of Natural Resources

Date: March 29,2004
Salt Lake City, Utah

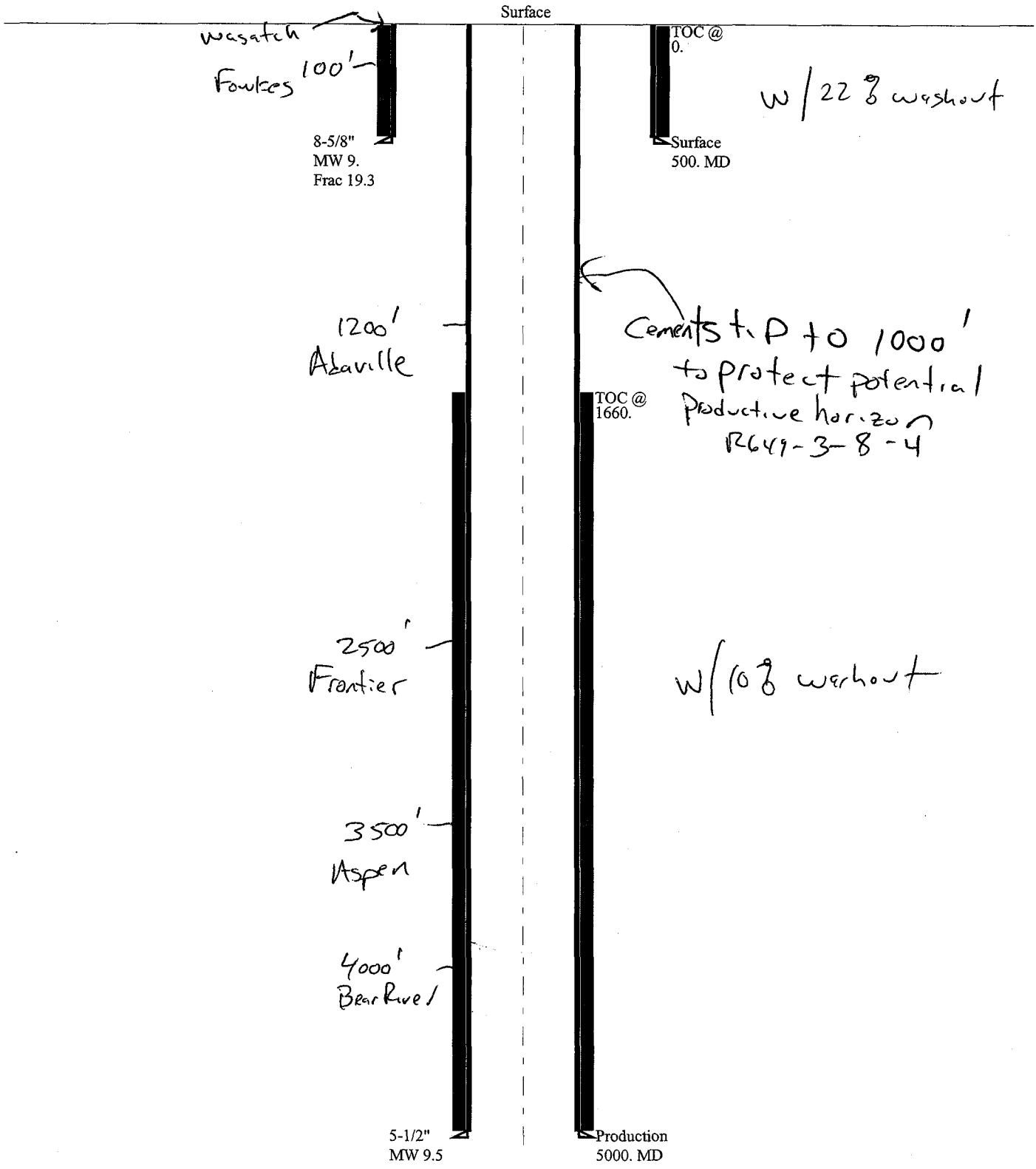
ENGINEERING STIPULATIONS: NONE
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 500 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

3-04 Fellows Crane 6-7re

Casing Schematic

CONFIDENTIAL



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: Crane 6-7

2. NAME OF OPERATOR: Fellows Energy Ltd.

9. API NUMBER: 4303330053

3. ADDRESS OF OPERATOR: 807 N. Pinewood Circle CITY Price STATE UT ZIP 84501

PHONE NUMBER: (435) 650-4492

10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2363' FNL 1970' FWL

COUNTY: Rich

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 7 T6N R8E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 3/25/2004	☑ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☑ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Change Surface Casing: FROM 9-5/8" H-40 32.3 #/ft TO 8-5/8" H-40 28#/ft
Change Surface Cement: 350 sacks of "G" (1.18 cf/sack, 15.6 #/gal)
Change Production Casing: FROM 7" K-55 23#/ft TO 5-1/2" K-55 17#/ft (or N-80 17#/ft)
Change Production Cement: Lead: 542 sacks of "G" 35/65 POZ (1.89 cf/sack, 12.4 #/gal); Tail: 70 sacks of "G" Thix (1.6 cf/sack, 14.2 #/gal)

We also plan to dig and line a small (10'X24') pit for surface drilling and cementing. The pit shall be reclaimed as soon after setting surface casing as practical.

COPY SENT TO OPERATOR
Date: 3-30-04
Initials: CHD

NAME (PLEASE PRINT) Steven L. Prince TITLE Vice President, Operations

SIGNATURE Steven L. Prince DATE 3/25/2004

(This space for State use only)

Fax Copy Approved with Conditions 3/30/04 DKD

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Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

X Change of Operator (Well Sold) Designation of Agent/Operator

Operator Name Change Merger

The operator of the well(s) listed below has changed, effective: **3/25/2004**

FROM: (Old Operator):	**TO:** (New Operator):
N2495-Quaneco LLC	N2560-Fellows Energy LTD
PO Box 7370	807 N Pinewood Cir
Sheridan, WY 82801	Price, UT 84501-2016
Phone: 1-(307) 673-1500	Phone: 1-(435) 650-4492

CA No. **Unit:**

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
CRANE 6-7	7	060N	080E	4303330053		Fee	GW	DRL

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: **3/29/2004**
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: **3/29/2004**
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** **3/30/2004**
4. Is the new operator registered in the State of Utah: YES Business Number: **5589189-0143**
5. If **NO**, the operator was contacted contacted on: _____

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA n/a

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 3/30/2004
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 3/30/2004
3. Bond information entered in RBDMS on: 3/30/2004
4. Fee wells attached to bond in RBDMS on: 3/30/2004
5. Injection Projects to new operator in RBDMS on: n/a
6. Receipt of Acceptance of Drilling Procedures for APD/New on: 3/29/2004

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: 353103303510

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: n/a

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: n/a

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 353103303510 ~~##########~~

2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 3/30/2004

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: Fellows Energy Ltd.

Operator Account Number: N 2560

Address: 807 N. Pinewood Circle

city Price

state UT zip 84501

Phone Number: (435) 650-4492

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4303330053	Crane 6-7		SENW	7	6N	8E	Rich
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
A	99999	14100	3/25/2004			3/31/04	
Comments: KelvN							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
Comments:							

ACTION CODES:

- **A** - Establish new entity for new well (single well only)
- **B** - Add new well to existing entity (group or unit well)
- **C** - Re-assign well from one existing entity to another existing entity
- **D** - Re-assign well from one existing entity to a new entity
- **E** - Other (Explain in 'comments' section)

RECEIVED

MAR 3 1 2004

DIV. OF OIL, GAS & MINING

Steven L. Prince

Name (Please Print)

Steven L. Prince

Signature

VP Operations

Title

3/30/2004

Date

(5/2000)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER CONFIDENTIAL

8. WELL NAME and NUMBER: Crane 6-7

2. NAME OF OPERATOR: Fellows Energy Ltd.

9. API NUMBER: 4303330053

3. ADDRESS OF OPERATOR: 807 N. Pinewood Circle CITY Price STATE UT ZIP 84501

PHONE NUMBER: (435) 650-4492

10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2363' FNL 1970' FWL

COUNTY: Rich

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 7 T6N R8E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☑ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
_____	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: _____
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

We plan to use potassium chloride in our drilling mud to prevent sloughing of shales.

The BOP equipment we plan to use while drilling will be as illustrated in the attached Exhibit "E".

Surface casing head will by a 2000 psi unit.

COPY SENT TO OPERATOR
Date: 4-1-04
Initials: CHD

NAME (PLEASE PRINT) Steven L. Prince TITLE Vice President, Operations

SIGNATURE Steven L. Prince DATE 3/30/2004

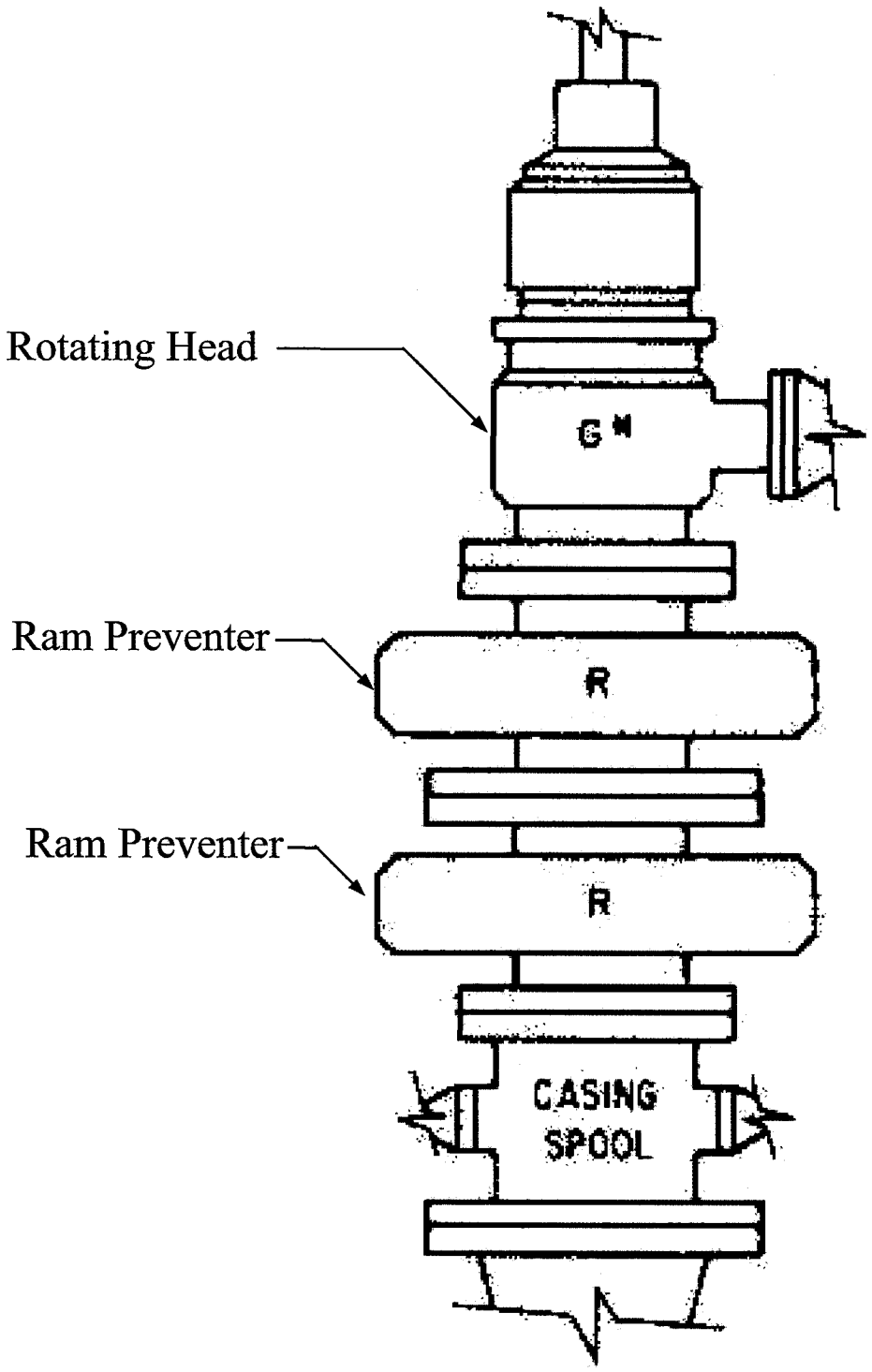
(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 4/1/2004
BY: [signature]

RECEIVED
APR 0 1 2004
DIV. OF OIL, GAS & MINING

Exhibit "E"

CONFIDENTIAL



3000 psi BOP Equipment

Fellows Energy Ltd.

2/23/04

State of Utah

Department of
Natural Resources

Division of
Oil, Gas & Mining

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

April 12, 2004

Lorna James
Quaneco, LLC.
PO Box 7370
Sheridan, WY 82801

Re: Notification of Sale or Transfer of Fee Lease Interest

Dear Lorna:

The Division has received notification of an operator change from Quaneco, LLC. to Fellows Energy LTD for the attached list of wells, which are located on fee leases.

Utah Administrative Rule R649-2-10 states; the owner of a lease shall provide notification to any person with an interest in such lease, when all or part of that interest in the lease is sold or transferred.

This letter is written to advise Quaneco, LLC. of its responsibility to notify all individuals with an interest in this lease (royalty interest and working interest) of the change of operator. Please provide written documentation of this notification to:

Utah Royalty Owners Association
Box 1292
Roosevelt, Utah 84066

Your assistance in this matter is appreciated.

Sincerely,

Earlene Russell
Engineering Technician

cc: Utah Royalty Owners Association
John R. Baza, Associate Director

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7223 • *www.ogm.utah.gov*

Quaneco, LLC.
April 12, 2004

ATTACHMENT "A"

Well Name	Sec.-Twsp -Rng.			API Number
CRANE 6-7	07	060N	080E	4303330053

CONFIDENTIAL

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:
8. WELL NAME and NUMBER: Crane 6-7
9. API NUMBER: 4303330053
10. FIELD AND POOL, OR WILDCAT: Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

2. NAME OF OPERATOR: Fellows Energy Ltd.

3. ADDRESS OF OPERATOR: 807 N. Pinewood Circle CITY Price STATE UT ZIP 84501 PHONE NUMBER: (435) 650-4492

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2363' FNL 1970' FWL COUNTY: Rich

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 7 T6N R8E S STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 5/3/2004	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☑ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

2.2. The status of the well, whether drilling, producing, injecting or inactive.
Drilling of the Crane 6-7 was completed on 5/1/04.

2.3. A description of the well bore configuration indicating depth, casing strings, cement tops if known, and hole size.
Wellbore Diameter: 7-7/8" drilled to a total depth of 4280'.
Surface Casing: 8-5/8" J-55 24#/ft set at 528' with cement to surface.

2.4. The tops of known geologic markers or formations.

Wasatch	Surface
Unconformity	1516'
Frontier	1516'
Aspen Shale	2234'
Bear River	2614'

The plugging program:
We will leave the drilling mud (description attached) in the well bore and place a 100' cement plug centered at the top of each of the following formations: the Bear River (2614'), the Aspen Shale (2234'), and the Frontier (1516'). We will also center a 100' cement plug at the surface casing shoe (528') and place a ten sack plug at surface.
cement: Class "G" 2% CaCl2 1.15 yield Cliff Murray 5/3/04

COPY SENT TO OPERATOR
Date: 5-3-04
Initials: CHD

NAME (PLEASE PRINT) Steven L. Prince TITLE Vice President, Operations

SIGNATURE Steven L. Prince DATE 5/2/2004

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 5/03/2004 (See Instructions on Reverse Side)
BY:
* See Conditions of Approval Attached

(5/2000)

RECEIVED
MAY - 3 2004
DIV OF OIL, GAS & MINING

KEMTEC

P.O. Drawer 160
Roosevelt, Utah 84066

CONFIDENTIAL

WATER MUD REPORT NO. 24

API Well No.	State	County	Well	S/T

Date: 02 May 04 — Depth: 4280 TD
Spud Date: 09 April 04 — Present Activity: Circ. f/ "E" Logs

OPERATOR: Fellows Energy, Ltd.	CONTRACTOR: Union Drlg, Inc.	RIG NO: 14
Report for: Mr. Cliff Murray	Report For: Mr. Rex Harris Sr.	Section, Township, Range: 7-6N-8E
Well Name and No.: Crane 6-7	Field or Block No.: Wildcat	County, Parish, Offshore Area: Rich — State: Utah

DRILLING ASSEMBLY RR#14

Bit Size	Type	Jet Size	CASING: Surface	MUD VOLUME: (bbl) Hole	Pits	CIRCULATION DATA: Pump Size	Annular Vel (ft/min)
7 7/8	HTC HHT-#47	3/16s	8 5/8 513 ft.	270	450	10 x 8	DP 165 DC 241

Drill Pipe Size	Type	Length	Intermediate	Total Circulating Volume	Pump Make, Model	Assumed Eff.	Circulation Pressure (psi)
			in. @ ft.	720	GD, PZ-8	85 %	640

Drill Pipe Size	Type	Length	Liner	In Storage	Weight	bbl/stk	stk/min	Bottoms Up
5			in. @ ft.			.0688	117	(min) 34 (stks) 117

Drill Collar Size	Length	Production or Liner	Mud Type	bbl/min	gal/min	Total Circ. Time
6 3/8 x 2 1/4		in. @ ft.	Semi-Disp.	8.0496	338	(min) ___ (stks) 117

MUD PROPERTIES:

	☐ F.L. Pit☐	☐ F.L. Pit☒	☐ F.L. Pit☐
Sample From			
Time Sample Taken		10am	
Flowline Temperature (°F)		—	
Depth (ft) ☐ TVD ☐ MD		4280	
Weight ☐ (ppg) ☐ (lb/cu ft) ☐ (sp gr) ___°F		9.4	
Funnel Viscosity (sec/qt) API @ ___°F		45	
Plastic Viscosity cp @ ___°F		17	
Yield Point (lb/100 ft²)		12	
Gel Strength (lb/100 ft²) 10 sec/10 min	/	6/11	/
Filtrate API (cm³/30 min)		8.0	
API HTHP Filtrate (cm³/30 min.) @ ___°F		—	
Cake Thickness (32nd in API/HTHP)	/	2/32	/
Retort Solids (% Vol.)		5	
Retort Liquid (% Vol.) Oil/Water	/	TR/95	/
Sand Content (% Vol.)		TR	
Methylene Blue Capacity ☐ lb/bbl equiv. ☐ cm³/cm³ mud		—	
pH ☐ Strip ☐ Meter @ ___°F		11.0	
Alkalinity Mud (P_m), cm³ N/50 Acid		—	
Alkalinity Filtrate (P_f/M_f), cm³ N/50 Acid	/	.6/1.4	/
Chloride (mg/L)		32000	
☐ Total Hardness ☐ Calcium, (mg/L)		60	
ECD @ Bit (#/GAL)		9.6	
% KCL		4 1/2	

MUD PROPERTY SPECIFICATIONS:

Weight	Viscosity	Filtrate
9.3 to 9.5	45 to 48	8 to 5cc

SOLIDS EQUIPMENT:

Processing Equipment	Screen Size Top	Screen Size Bottom	Over Flow lb/gal	Under Flow lb/gal	Hours Run		
Shaker 1						Shaker 3	
Shaker 2						Cleaner	
						Degasser	
						Centrifuge	

REMARKS:

No further chemical treatment should be needed.

Suggest saving 400-bbls of mud for your upcoming well in Town's Valley.

Thank you!

PRODUCTS:

	Barite	KCL	Maxi-Seal	Duroseal	Max Gel	Sawdust	Desco	Pac-R	Mica	Sodium Bicarb	Poly Plus	Caustic	C-320	SAPP	Aluminum Stearate	K-560
Starting Inventory	—	—	92	250	80	26	12	40	160	55	29	30	—	2	2	—
Received																
Used Last 24 hr.						(12)	(6)	(6)				(9)				
Closing Inventory	—	—	92	250	80	14	6	34	160	55	29	21	—	2	2	—
Cost Last 24 hr.																

Representative	Phone	Warehouse Phone	Daily Cost	Cumulative Cost
Lew Arnold (435)	823-5160		Estimated $ 1715 +/-	Estimated $ 62,333 +/-

BIT DATA:	MUD VOLUME ACCOUNTING:	SOLIDS ANALYSIS:	MUD RHEOLOGY AND HYDRAULICS:			
Current Bit No. RR# 14	Water Added (bbl)	Low Gravity, (% Vol.)	600 RPM	Annular Section 1	2	3

From: "Steven L. Prince" <cvgpc@emerytelcom.net>
To: "Dustin Doucet" <dustindoucet@utah.gov>
Date: 5/2/04 11:02PM
Subject: Crane 6-7 Plugging Notice

Dustin:
Please let me know ASAP regarding approval of the attached plugging notice and procedure. If you have any questions or concerns, please call me at 435-650-4492 prior to 9 am on 5/3/04. Thanks for your help.
Steven Prince

CC: "Dan Jarvis" <danjarvis@utah.gov>, "Lisha Cordova" <lcordova@state.ut.us>, "Clifford Murray" <nonapi@iwworks.com>

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State of Utah

Department of
Natural Resources

Division of
Oil, Gas & Mining

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

MICHAEL O. LEAVITT
Governor

OLENE S. WALKER
Lieutenant Governor

CONDITIONS OF APPROVAL TO PLUG AND ABANDON WELL

Well Name and Number: Crane 6-7
API Number: 43-033-30053
Operator: Fellows Energy Ltd.
Reference Document: Original Sundry Notice dated May 2, 2004, received by DOGM on May 3, 2004

Approval Conditions:

1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
2. ADD: A minimum of 20 sx shall be placed at surface to ensure an adequate length plug for proper sealing --- ±50'. (Procedure calls for 10 sx)
3. All balanced plugs shall be tagged to ensure that they are at the depths specified in the intent.
4. A dry hole marker shall be erected in accordance with R649-3-24-7 unless a variance for a subsurface marker is requested by the operator and approved by the Division.
5. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration. Evidence of compliance with this rule should be supplied to the Division upon completion of reclamation.
6. Form 8 – Well Completion or Recompletion Report and Log shall be submitted to the Division upon completion of work.
7. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
8. If there are any changes to the plugging procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 prior to continuing with the procedure.
9. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Dustin K. Doucet
Petroleum Engineer

May 3, 2004
Date

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7223 • *www.ogm.utah.gov*

Wellbore Diagram

r263

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API Well No: 43-033-30053-00-00 **Permit No:** **Well Name/No:** CRANE 6-7

Company Name: FELLOWS ENERGY LTD

Location: Sec: 7 T: 6N R: 8E Spot: SENW

Coordinates: X: 492921 Y: 4568437

Field Name: WILDCAT

County Name: RICH

Surface Plug

(bsx)(1.15)(2797) = 32'

minimum of 20 sx required (±50')

Wasatch

50' Cement from 528 ft. to surface

Hole: 12.25 in. @ 528 ft.

Surface: 8.625 in. @ 528 ft.

$\frac{[(1.2)(7875)]^2}{183.35} = 0.4871$ → 2.053

500' Plug 4

600' 50'/(1.15)(2.053) = 21 sx

50'/(1.15)(2.797) = 16 sx

37 sx

1516' unconformity Frontier

1500' Plug 3

1600' 100' = 42 sx

2234' Aspen Sh

2200' Plug 2

2300' 100' = 42 sx

2614' Bear River

2600' Plug 1

2700' 100'/(1.15)(2.053) = 42 sx

Hole: 7.875 in. @ 4280 ft.

TD: **TVD:** **PBTD:**

String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)
HOL1	528	12.25		
SURF	528	8.625	24	528
HOL2	4280	7.875		

Yield

2.797

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
SURF	528	0	G	

Perforation Information

Formation Information

Formation	Depth	Formation	Depth
WSTC	0		
FRTR	1516		
ASPEN	2234		
BRRVR	2614		

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

CONFIDENTIAL

8. WELL NAME and NUMBER: Crane 6-7

2. NAME OF OPERATOR: Fellows Energy Ltd.

9. API NUMBER: 4303330053

3. ADDRESS OF OPERATOR: 807 N. Pinewood Circle CITY Price STATE UT ZIP 84501

PHONE NUMBER: (435) 650-4492

10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2363' FNL 1970' FWL

COUNTY: Rich

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 7 T6N R8E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 5/3/2004	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☑ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

2.2. The status of the well, whether drilling, producing, injecting or inactive.
Drilling of the Crane 6-7 was completed on 5/1/04.

2.3. A description of the well bore configuration indicating depth, casing strings, cement tops if known, and hole size.
Wellbore Diameter: 7-7/8" drilled to a total depth of 4280'.
Surface Casing: 8-5/8" J-55 24#/ft set at 528' with cement to surface.

2.4. The tops of known geologic markers or formations.

Wasatch	Surface
Unconformity	1516'
Frontier	1516'
Aspen Shale	2234'
Bear River	2614'

2.5. The plugging program approved by the appropriate federal agency if the well is located on federal or Indian land.
We will leave the drilling mud (description attached) in the well bore and place a 100' class G cement balance plug from 2,700' to 2,200' and from 2,100' to 1,600' and from 1,500' to 1,000' and from 900' to 300' and from 300' to surface, pull remaining drill pipe and 1" 30' cement to surface.

NAME (PLEASE PRINT): Clifford Murray TITLE: Exploitationist, Project Manager

SIGNATURE: Clifford Murray DATE: 5/3/2004

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 5/3/2004
BY: Dustin K Doucet
* See Conditions of Approval (Attached)

(See Instructions on Reverse Side)

COPY SENT TO OPERATOR
Date: 5-4-04
Initials: CHD

State of Utah

Department of
Natural Resources

Division of
Oil, Gas & Mining

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

MICHAEL O. LEAVITT
Governor

OLENE S. WALKER
Lieutenant Governor

CONDITIONS OF APPROVAL TO PLUG AND ABANDON WELL

Well Name and Number: Crane 6-7
API Number: 43-033-30053
Operator: Fellows Energy Ltd.
Reference Document: Original Sundry Notice dated May 3, 2004, received by DOGM on May 3, 2004

Approval Conditions:

1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
2. Operator shall ensure that cement remains at surface and shall RIH and top off as needed.
3. A dry hole marker shall be erected in accordance with R649-3-24-7 unless a variance for a subsurface marker is requested by the operator and approved by the Division.
4. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration. Evidence of compliance with this rule should be supplied to the Division upon completion of reclamation.
5. Form 8 – Well Completion or Recompletion Report and Log shall be submitted to the Division upon completion of work.
6. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
7. If there are any changes to the plugging procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 prior to continuing with the procedure.
8. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Dustin K. Doucet
Petroleum Engineer

May 3, 2004
Date

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7223 • *www.ogm.utah.gov*

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FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: Crane 6-7

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9. API NUMBER: 4303330053

3. ADDRESS OF OPERATOR: 807 N. Pinewood Circle CITY Price STATE UT ZIP 84501

PHONE NUMBER: (435) 650-4492

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QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 7 T6N R8E S

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	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Weekly Report
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

4/9/04--MIRT. Rig up. Slip drilling line. Test BOP and well control equip. PU BHA. RIH and tag up @ 417' KB. Commence drilling cement out of casing

4/10/04--Drilled to 580'. Survey @ 510' = 5°. Drill ahead to 643'. Survey @ 570' = 5.5°. TOOH and lay down top stabilizer. RIH w/Corion Express BHA with stabilizers @ 1' and 29'. Drill ahead to 731' with 8 to 10,000# on bit. Survey @ 650 = 6.5°. TOOH and lay down core barrel. Wait 1.5 hrs on tools. P.U 7 7/8" HTC MX-18 re-run bit, bit sub, 2-6 7/8" spiral collars, stabilizer and RIH with Corion collars and pipe. Drill ahead to 825' with 10-12,000# on bit.

4/11/04--Drill from 825' to 1,280'. Survey @ 828' = 5°. Survey @ 911' = 4 3/4°. Survey @ 973' = 3 3/4°. Survey @ 1,063' = 3 1/4°. Survey @ 1,150' = 2 3/4°.

4/12/04--Drill ahead to 1,384'. Survey @ 1,242' = 2 1/4°. Survey @ 1,329' = 2 1/2°. Survey @ 1,430' = 2 1/2° TOOH and LD 6 7/8" drill collars and bit. TIH with PDC coring bit with plug bit and core barrel. Drill ahead from 1,384' to 1,510'. ROP dropped @ 1,506' to <2'/hr. Prep to TOOH.

4/13/04--Drill to 1,510. TOOH and LD coring bit and core barrel. PDC core bit wiped out. Plug bit OK. P.U. tricone bit and BHA and TIH. 10' fill. Drill ahead from 1,510' to 1,623' w/15,000-20,000# on bit. Survey @ 1,543' = 2 3/4°.

4/14/04--Drill from 1,623' to 1,946' w/12,000-28,000# on bit.

4/15/04--Drill from 1946' to 2113'. TOOH. Pick up coring tools. TIH. Begin coring.

416/04--Core from 2, 113' to 2,137'. Wireline retrieve core. No coal. Core from 2,137' to 2,158'. Wireline retrieve core. Core from 2,158' to 2,166'. Coring rate as low as 1 1/2 hrs/ft. Wireline retrieve core. Core from 2,166' to 2,167'.

NAME (PLEASE PRINT) Steven L. Prince TITLE Vice President, Operations

SIGNATURE Steven L. Prince DATE 4/17/2004

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(This space for State use only)

RECEIVED
APR 19 2004
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

DOUBLE JACK TESTING & SERVICES, INC.
Phone (307) 789-9213

RECEIVED
APR 14 2004
DIV. OF OIL, GAS & MINING

B.O.P TEST REPORT

B.O.P. TEST PERFORMED ON (DATE) 4/8/04

OIL COMPANY Fellows Energy

WELL NAME & NUMBER Crane 6-7 43-033-30053

SECTION 6N

TOWNSHIP 8E

RANGE 7S

COUNTY & STATE Rich, Utah

DRILLING CONTRACTOR Union Drilling #14

OIL COMPANY SITE REPRESENTATIVE * Cliff Murray

RIG TOOL PUSHER * Rex

TESTED OUT OF Evanston, Wyoming

NOTIFIED PRIOR TO TEST

COPIES OF THIS TEST REPORT SENT TO: Utah Oil & Gas Division

BLM- Salt Lake City, Utah

ORIGINAL CHART & TEST REPORT ON FILE AT:

DOUBLE JACK TESTING & SERVICES, INC.
PO BOX 2097
EVANSTON, WY 82930

TESTED BY: J. Bruce

Double Jack Testing & Services Inc.

FIELD TICKET № 20488

Accounting Office: P.O. Box 516 Shoshoni, WY 82649 • (307) 876-9390

Field Operations:
Shoshoni, WY (307) 876-9390
Evanston, WY (307) 789-9213
Rock Springs, WY (307) 382-4020
Big Piney, WY (307) 276-5265
Vernal, UT (435) 781-0448

DATE 4-8-04

☒ OPERATOR Fellows Energy

☐ CONTRACTOR Union Drlg. Rig #14

WELL NAME Crane 6-7 6N 8E S.7

COUNTY Rich STATE Utah SECTION TOWNSHIP RANGE

807 N. Pinewood circle Price, Utah 84501

Items Tested:

	LOW TEST PSI	TIME HELD MINUTES	HIGHTEST PSI	TIME HELD MINUTES
Top Pipe Rams	250	5	2,000	15
Bottom Pipe Rams	N/A			
Blind Rams	250	5	2,000	15
Annular B.O.P.	N/A			
Choke Manifold	250	5	2,000	15
Choke Line	250	5	2,000	15
Kill ~~Line~~ Valve	~~250~~	5	2,000	15
Super Choke	N/A			
Upper Kelly	250	5	2,000	15
Lower Kelly	N/A			
Floor Valve	250	5	2,000	15
Dart Valve	250	5	2,000	15
Casing	N/A			

Closing Unit PSI 1,300

Closing Time of Rams 6 secs.

Closing Time of Annular N/A

Closed Casing Head Valve yes

Set Wear Sleeve

COMMENTS

ADDITIONAL TESTS & COMMENTS

DRIILLING ☒ COMPLETION ☐

		CHARGES
TEST PLUG	8⅝" Larkin	$50.00
TOP SUB.	4½ IF	$50.00
KELLY SUB.	4½ IF N/C	
X-OVER SUB.	4½ IF x 3½ IF	$50.00
OTHER		
QUANTITY 1 unit — RATES UNIT RATES	to test B.O.P.s + Valves for 1st 7 Hrs.	$1,000.00
ADDITIONAL	No Add.	
20 miles — MILEAGE	to + from location at $2.00 Mile	$40.00
45 gals. — ANTIFREEZE	fluid 50/50 Mix at $1.50 gal.	$67.50
OTHER		
	SUBTOTAL	$1257.50
	TAX	
	TOTAL	

PURCHASE ORDER #

Clifford Mackay
COMPANY REPRESENTATIVE

Joe Bruce — TESTED BY

X NO ACCIDENTS

174
DOUBLE JACK TESTING UNIT NUMBER

NOTICE TO ALL CUSTOMERS

If this account shall not be paid when due and it is placed with an attorney for collection, or if suit be instituted for collection, the undersigned agree(s) to pay in either case, reasonable expense of collection including attorney's fees and court cost in compliance with TRUTH IN LENDING AND THE UNIFORM CONSUMER CREDIT CODE, the following information disclosure, under the terms of our regular accounts, all amounts for service due and payable within THIRTY (30) DAYS from the receipt of an invoice for such services. A LATE CHARGE will be assessed when accounts are not paid when due. THE LATE CHARGE is computed by a "periodic rate" 1-3/4% PER MONTH which is an ANNUAL PERCENTAGE RATE OF 21% to the previous balance in the account on the billing date. No further credit can be extended on unpaid delinquent accounts until the delinquent account is paid in full. The contractor will not be held liable for damages caused by acts [illegible] circumstances that could not be reasonably anticipated in performing the work done as set forth above.

DOUBLE JACK TESTING
&
SERVICES

1	8:00pm	TIW valve or floor valve
2	8:30	Kelly valve
3	9:15	Pipe rams, kill valve, manual, dart valve
4	9:45	Pipes, 2nd manual, dart and kill valves
5	10:15	Pipes, choke manifold valves
6	10:45	Accumulator function test
7	11:00	Blind rams
8	11:30	Casing
9	12:00	Chokes, shut chokes with pressure on to make sure chokes were functional

COMPANY: Fellows Energy
CONTRACTOR: Union Drilling Rig #14
WELL NAME: Crane 6-7
DATE: 4/8/04
TEST UNIT: 174
TESTER(S): J. Bruce

Fellows Energy Union Rig # 14

J.J. 9/00

Accumulator Function Test

TO CHECK THE USABLE FLUID STORED IN THE NITROGEN BOTTLES ON THE ACCUMULATOR (**O.S.O. #2 section III.A.2.c.i. or ii or iii)**

1. Make sure all rams and annular are open and if applicable HCR is closed.
2. Ensure accumulator is pumped up to working pressure! (Shut off all pumps)
3. Open HCR Valve. (If applicable)
4. Close annular.
5. Close **all** pipe rams.
6. Open one set of the pipe rams to simulate closing the blind ram.
7. If you have a 3 ram stack open the annular to achieve the 50±% safety factor for 5M and greater systems).
8. Accumulator pressure should be 200 psi over **desired** precharge pressure, (Accumulator working pressure {1500 psi = 750 **desired** psi}{2000 and 3000 psi = 1000 **desired** psi}).

9. Record the remaining pressure 1,300 **psi.**
If annular is closed, open it at this time and close HCR.

TO CHECK THE CAPACITY OF THE ACCUMULATOR PUMPS **(O.S.O. #2 section III.A.2.f.)**

Shut the accumulator bottles or spherical, (isolate them from the pumps & manifold) open the bleed off valve to the tank,(manifold psi should go to O psi) close bleed valve.

1.Open the HCR valve, (if applicable).
2.Close annular.
3. With **pumps** only, time how long it takes to regain manifold pressure to 200 psi over **desired** precharge pressure! (Accumulator working pressure {1500 psi = 750 **desired** psi}{2000 and 3000 psi = 1000 **desired** psi}).

4. Record elapsed time 15 seconds. (2 minutes or less)

TO CHECK THE PRECHARGE ON BOTTLES OR SPHERICAL **(O.S.O. #2 section III.A.2.d.)**

1. Open bottles back up to the manifold (pressure should be above the **desired** precharge pressure, {1500 psi = 750 **desired** psi}{2000 and 3000 psi = 1000 **desired** psi}) may need to use pumps to pressure back up.
2. With power to pumps shut off open bleed line to the tank.
3. Watch and record where the pressure drops, (**accumulator** psi).

Record the pressure drop 775 **psi.**
If pressure drops below MINIMUM precharge, (Accumulator working pressure {1500 psi = 700 min.}{2000 and 3000psi = 900 psi min.}) each bottle shall be independently checked with a gauge.

Fellows Energy

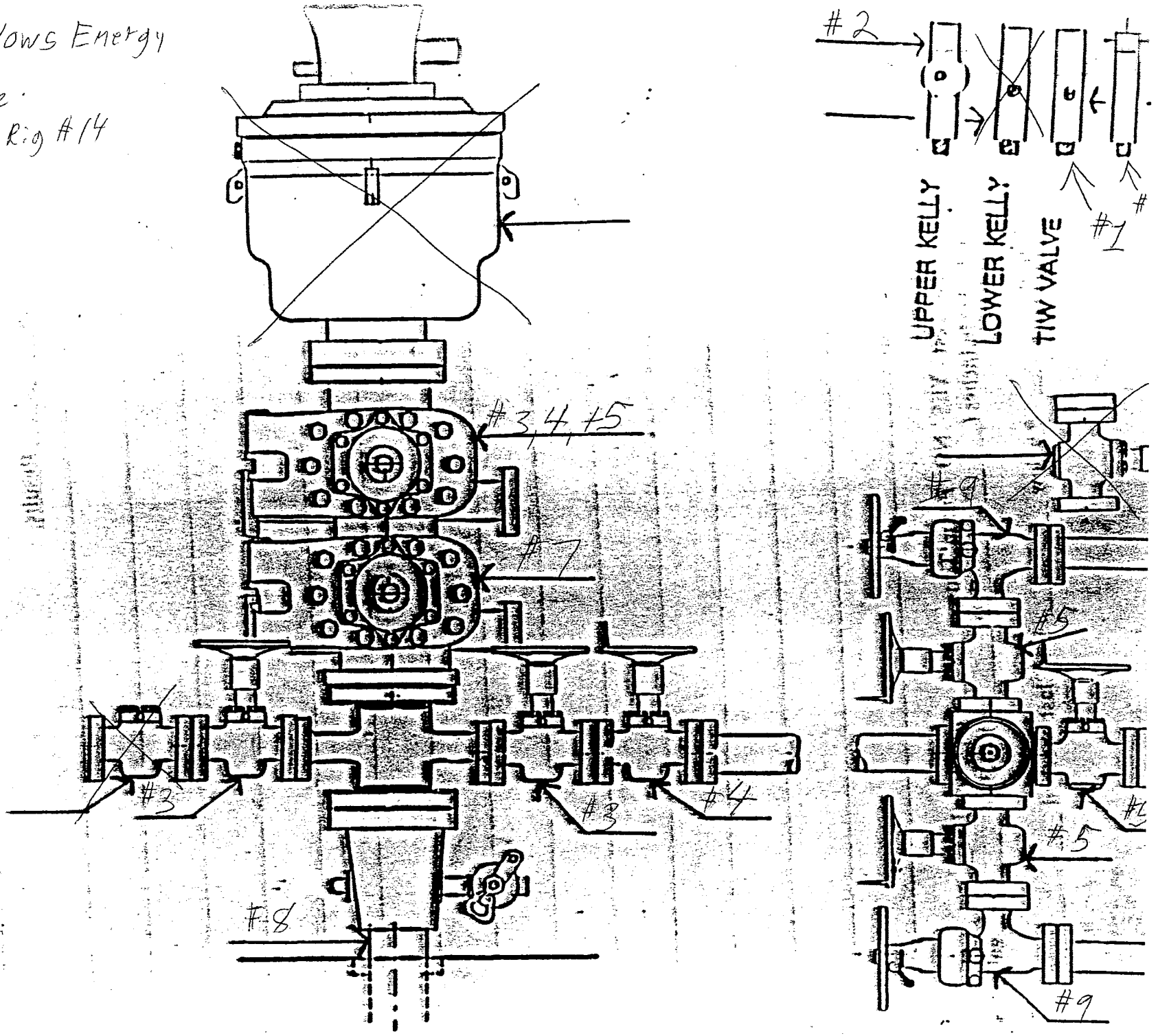
AM TYPE BOP

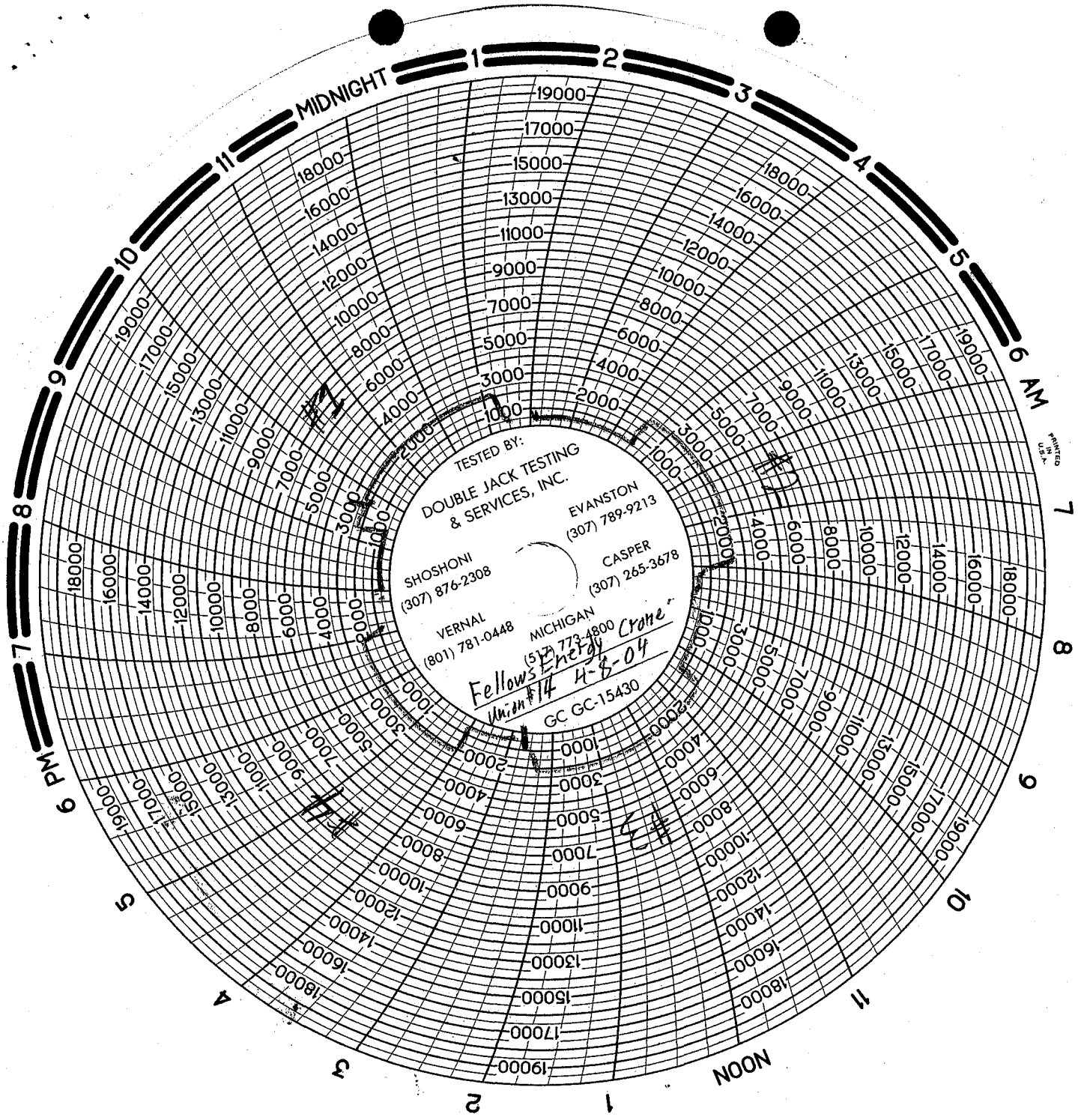
Crane:
Union Rig #14

odel

'D. CHOKE VALVE

odel




MIDNIGHT
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5
6 AM
7
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9
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NOON
1
2
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6 PM
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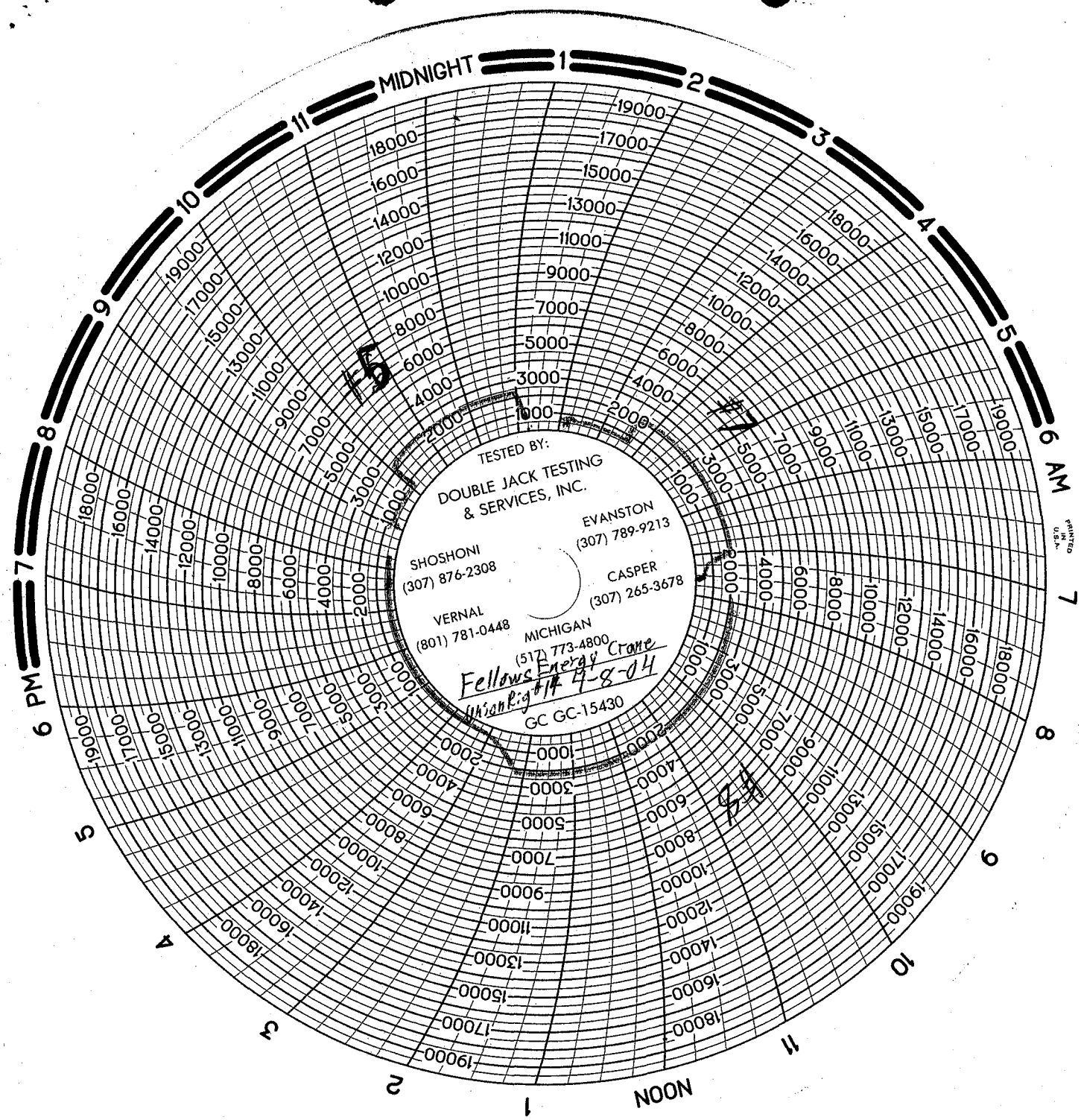
10
11
TESTED BY:
DOUBLE JACK TESTING
& SERVICES, INC.
EVANSTON
(307) 789-9213
SHOSHONI
(307) 876-2308
CASPER
(307) 265-3678
VERNAL
(801) 781-0448
MICHIGAN
(517) 773-4800
Fellows Energy Crane
Union #14 4-8-04
GC GC-15430
PRINTED IN U.S.A.


MIDNIGHT
1
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6 AM
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NOON
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4
5
6 PM
7
8
9
10
11
TESTED BY:
DOUBLE JACK TESTING
& SERVICES, INC.
SHOSHONI
(307) 876-2308
EVANSTON
(307) 789-9213
CASPER
(307) 265-3678
VERNAL
(801) 781-0448
MICHIGAN
(517) 773-4800
Fellows Energy Crane
4-8-04
GC GC-15430
PRINTED IN U.S.A.

Fellows Energy Union Rig # 14

J.J. 9/00

Accumulator Function Test

TO CHECK THE USABLE FLUID STORED IN THE NITROGEN BOTTLES ON THE ACCUMULATOR (**O.S.O. #2 section III.A.2.c.i. or ii or iii)**

1. Make sure all rams and annular are open and if applicable HCR is closed.
2. Ensure accumulator is pumped up to working pressure! (Shut off all pumps)
3. Open HCR Valve. (If applicable)
4. Close annular.
5. Close **all** pipe rams.
6. Open one set of the pipe rams to simulate closing the blind ram.
7. If you have a 3 ram stack open the annular to achieve the 50±% safety factor for 5M and greater systems).
8. Accumulator pressure should be 200 psi over **desired** precharge pressure, (Accumulator working pressure {1500 psi = 750 **desired** psi}{2000 and 3000 psi = 1000 **desired** psi}).

9. Record the remaining pressure 1,300 **psi.**
If annular is closed, open it at this time and close HCR.

TO CHECK THE CAPACITY OF THE ACCUMULATOR PUMPS **(O.S.O. #2 section III.A.2.f.)**

Shut the accumulator bottles or spherical, (isolate them from the pumps & manifold) open the bleed off valve to the tank,(manifold psi should go to O psi) close bleed valve.

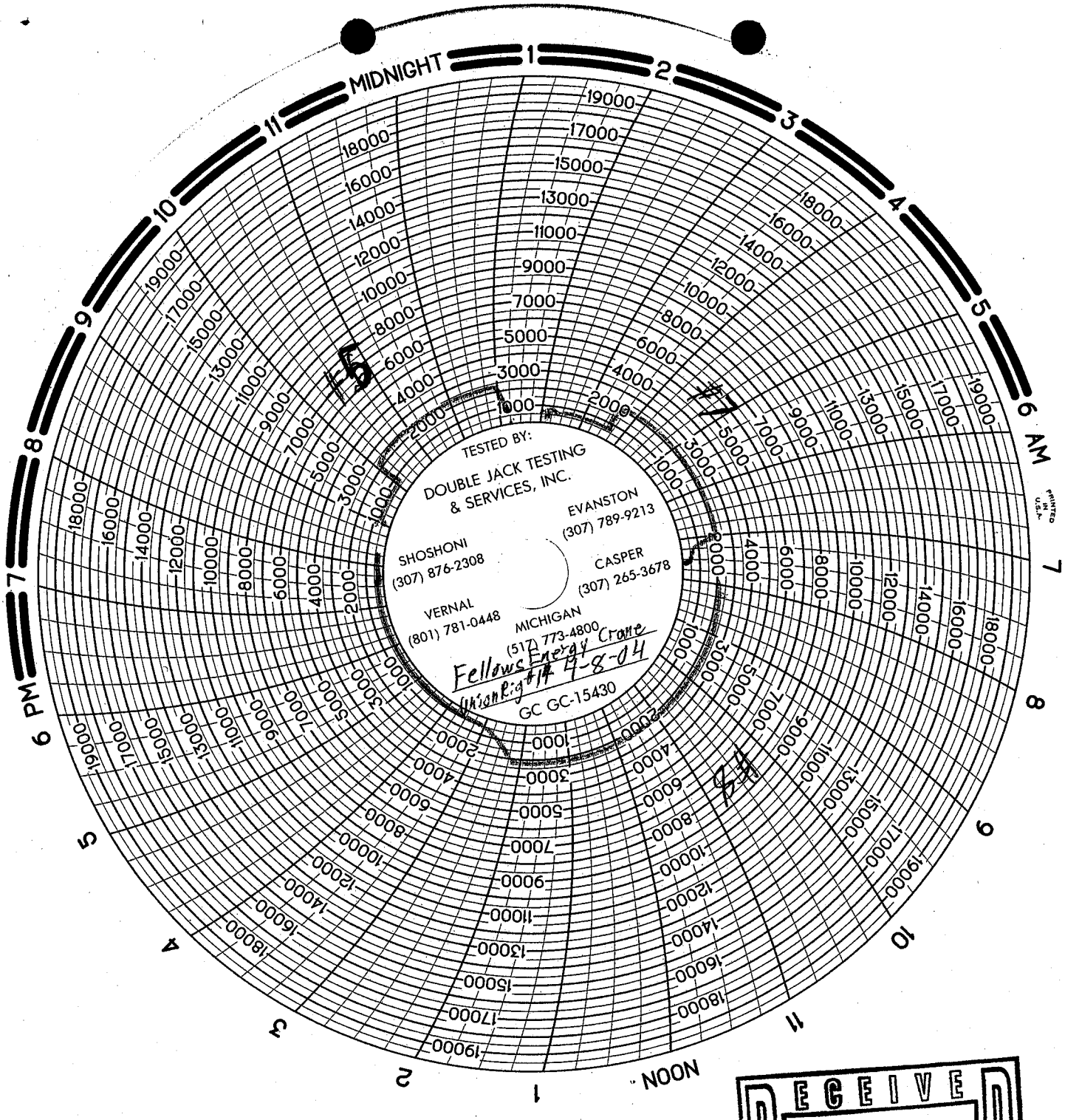
1.Open the HCR valve, (if applicable).
2.Close annular.
3. With **pumps** only, time how long it takes to regain manifold pressure to 200 psi over **desired** precharge pressure! (Accumulator working pressure {1500 psi = 750 **desired** psi}{2000 and 3000 psi = 1000 **desired** psi}).

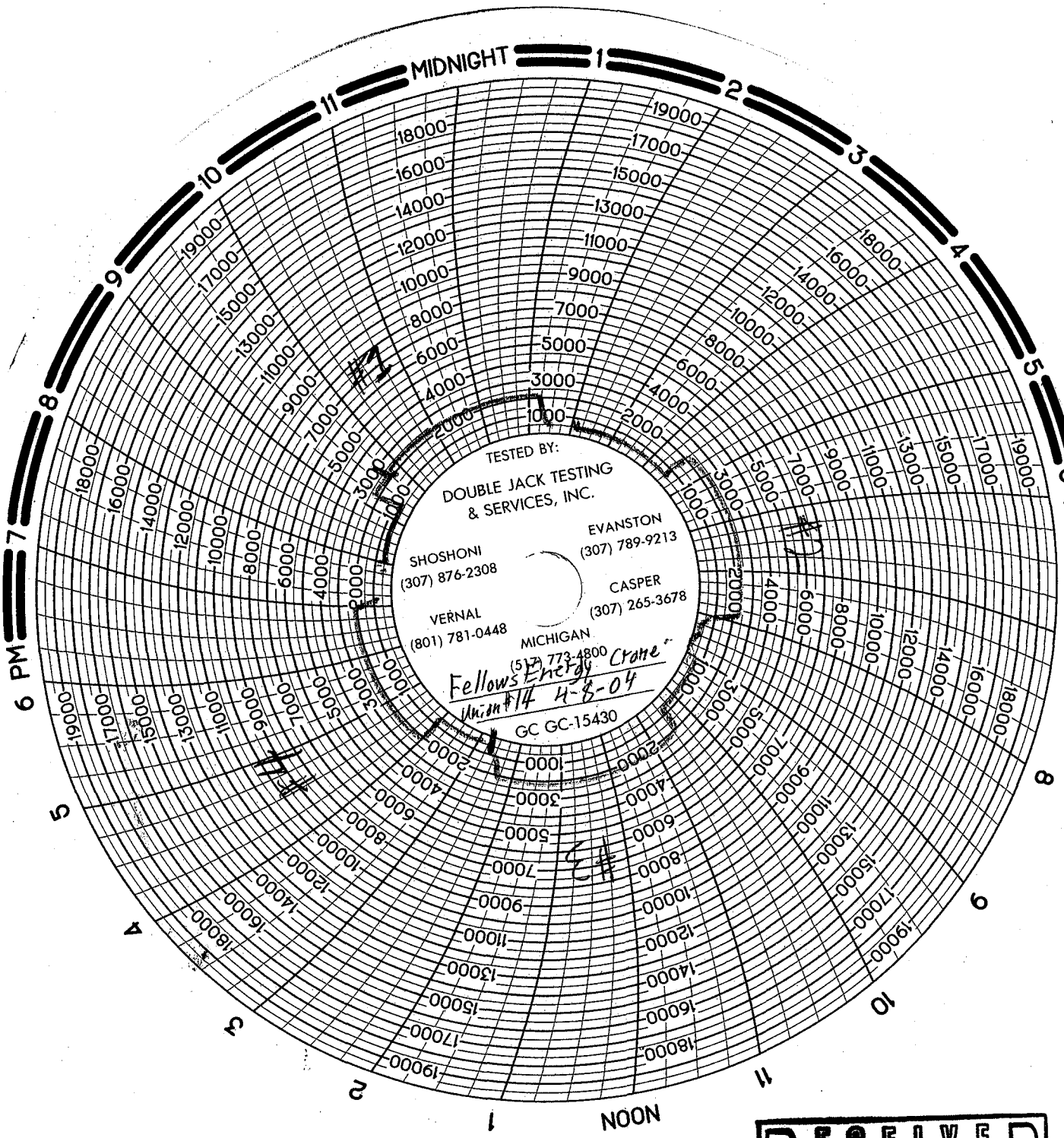
4. Record elapsed time 15 seconds. (2 minutes or less)

TO CHECK THE PRECHARGE ON BOTTLES OR SPHERICAL **(O.S.O. #2 section III.A.2.d.)**

1. Open bottles back up to the manifold (pressure should be above the **desired** precharge pressure, {1500 psi = 750 **desired** psi}{2000 and 3000 psi = 1000 **desired** psi}) may need to use pumps to pressure back up.
2. With power to pumps shut off open bleed line to the tank.
3. Watch and record where the pressure drops, (**accumulator** psi).

Record the pressure drop 775 **psi.**
If pressure drops below MINIMUM precharge, (Accumulator working pressure {1500 psi = 700 min.}{2000 and 3000psi = 900 psi min.}) each bottle shall be independently checked with a gauge.





AM TYPE BOP

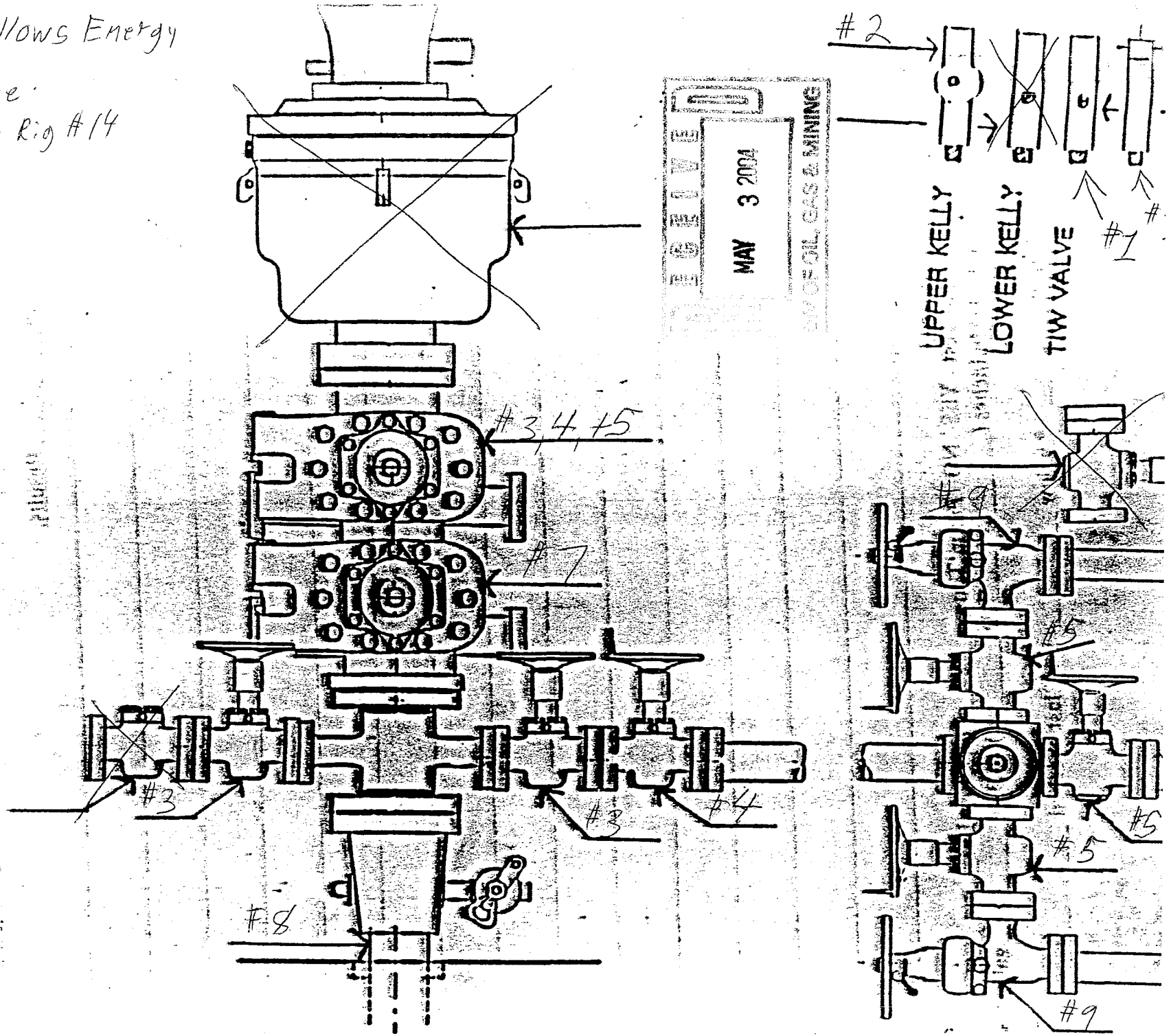
Fellows Energy

Crane
Union Rig #14

odel

/D. CHOKE VALVE

odel



COMPANY		LEASE & WELL NAME	TEST DATE	RIG # & NAME
Fellows Energy		Crane	4-8-04	UNION Rig #14
TEST	TIME	ITEMS TESTED		
1	8:00 P.M.	T.I.W. valve or Floor Valve		
2	8:30	Kelly Valve		
3	9:15	Pipe Rams, kill valve, Manual, + Dart valve		
4	9:45	Pipes, 2nd manual, Dart, + kill		
5	10:15	Pipes + Choke manifold valves		
6	10:45	Accumulator Function Test		
7	11:00	Blinds Rams		
8	11:30	Casing		
9	12:00	Chokes, shut chokes with pressure on to make sure chokes were functional		

INSPECTION FORM 7

STATE OF UTAH
DIVISION OF OIL GAS AND MINING
PLUGGING OPERATIONS

Well Name: Crane 6-7 API Number: 43-033-30053

Qtr/Qtr: SENW Section: 7 Township: 6N Range: 8E County: Rich

Company Name: Fellows Energy Ltd (N2560) / Cliff Murray 435-650-4492

Lease: State_____ Fee X Federal_____ Indian_____

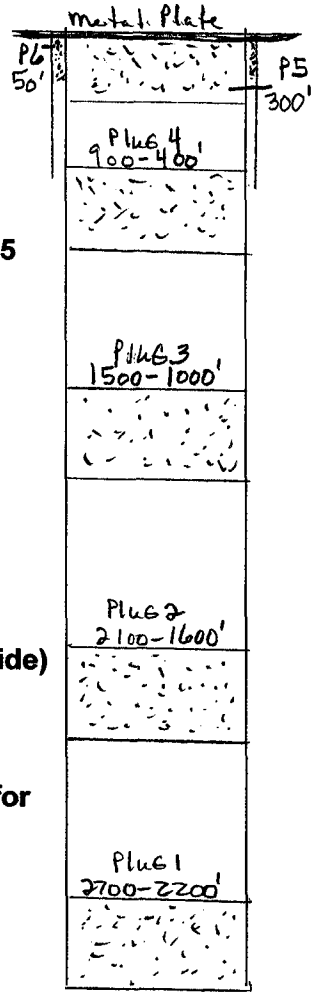
Surface Owner: Desert Land & Livestock/James Sewell Area Foreman 435-793-4288

Inspector: Lisha Cordova Date: May 3, 2004

Casing Tested: YES___ NO___ Results:

Cementing Company: Halliburton/Lennie Cook Rig: Union Rig #14

Draw a wellbore diagram as plugged:



COMMENTS:

Plugs 1-4 (balanced plugs):

500' each of Class G cement (175 sxs/35.8 bbls, 15.8 wgt/1.15 yld w/ 2% Calcium Chloride) were set @ 2700-2200', 2100-1600', 1500-1000', & 900-400', pumped cmt @ 5 bpm/145 psi.

Plug 5 (surface plug):

300' of Class G cement (125 sxs/25.6 bbls, 15.8 wgt/1.15 yld w/2% Calcium Chloride) was set @ 300-surface, pumped cmt @ 5 bpm/85 psi.

Plug 6 (surface plug/part 2):

Used 1" pipe to set a 50' plug (32 sxs/6.6 bbls, 15.8 wgt/1.15 yld w/2% Calcium Chloride) between annulus, pumped cmt @ 1 bpm/22 psi. Fresh water between all plugs.

5/4/04 Op planning to weld metal plate (w/well name & location) to casing in the AM for below grade burial per L/O request.

(Copy of cement ticket to file)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☑
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

7. UNIT or CA AGREEMENT NAME:

B. TYPE OF WELL: OIL ☐ GAS ☐ OTHER ____ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR: Fat Chance Oil & Gas, LLC

8. WELL NAME and NUMBER: Crane 6-7

3. ADDRESS OF OPERATOR: PO Box 7370 CITY Sheridan STATE WY ZIP 82801

PHONE NUMBER: (307) 673-1500

9. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 2363' FNL 1970' FWL

AT PROPOSED PRODUCING ZONE: same

CONFIDENTIAL

10. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW Sec. 7 T6N R8E

13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 5 miles west of Evanston, Wyoming

4568437 N
492921 E

11. COUNTY: Rich

12. STATE: UTAH

14. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)	15. NUMBER OF ACRES IN LEASE:	16. NUMBER OF ACRES ASSIGNED TO THIS WELL:
3077'	52,395	160
17. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	18. PROPOSED DEPTH:	19. BOND DESCRIPTION:
3279'	5,000	Utah DOGM Surety# 885588C
20. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):	21. APPROXIMATE DATE WORK WILL START:	22. ESTIMATED DURATION:
6802' GR	6/15/2001	10 days

23

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4"	9 5/8"	H-40	32.3#	500	G-Poz	250 sx	1.77	12.5#lead
						50 sx	1.17	15.8" tail
			23#	RAM via CAGES 6/4/01				
8 3/4"	7"	K-55	~~20#~~	5,000	G-35/65 Poz	150 sx	2.34	11# lead
						50 sx	1.27	14.2# tail

24.

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER

☐ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER

☐ COMPLETE DRILLING PLAN

☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

RECEIVED
JUN 28 2004
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Lorna James TITLE Administrative Assistant

SIGNATURE Lorna James DATE 5-24-01

(This space for State use only)

API NUMBER ASSIGNED: 43-033-30053

Approved by the Utah Division of Oil, Gas and Mining
Date: 06-13-01
By: [signature]

RECEIVED
MAY 25 2001
DIVISION OF ...

(5/2000)

(See Instructions on Reverse Side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☑
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

B. TYPE OF WELL: OIL ☐ GAS ☐ OTHER _____ SINGLE ZONE ☐ MULTIPLE ZONE ☐

7. UNIT or CA AGREEMENT NAME:

2. NAME OF OPERATOR: Fat Chance Oil & Gas, LLC Fellows Energy LTD

8. WELL NAME and NUMBER: Crane 6-7

3. ADDRESS OF OPERATOR: PO Box 7370 CITY Sheridan STATE WY ZIP 82801

PHONE NUMBER: (307) 673-1500

9 FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 2363' FNL 1970' FWL
AT PROPOSED PRODUCING ZONE: same

Bthm hole 162'S 220'E

CONFIDENTIAL

10. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW Sec. 7 T6N R8E

13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 5 miles west of Evanston, Wyoming

4568437 N
492921 E

11. COUNTY: Rich

12. STATE: UTAH

14. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET): 3077'

15. NUMBER OF ACRES IN LEASE: 52,395

16. NUMBER OF ACRES ASSIGNED TO THIS WELL: 160

17. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): 3279'

18. PROPOSED DEPTH: 5,000

19. BOND DESCRIPTION: Utah DOGM Surety# 885588C

20. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 6802' GR

21. APPROXIMATE DATE WORK WILL START: 6/15/2001

22. ESTIMATED DURATION: 10 days

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4"	~~9 5/8"~~	H-40	32.3#	500	G-Poz	250 sx	1.77	12.5#lead
	8 5/8	J-55	24#			50 sx	1.17	15.8" tail
			23#	RAM 6/4/01 via CAGE'S OSBORN				
~~8 3/4"~~	7"	K-55	~~20#~~	5,000	G-35/65 Poz	150 sx	2.34	11# lead
7 7/8"	5 1/2	N-80	17#			50 sx	1.27	14.2# tail

24. ATTACHMENTS

RECEIVED
JUN 28 2004
DIV OF OIL, GAS & MINING

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☐ COMPLETE DRILLING PLAN
☐ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Lorna James TITLE Administrative Assistant

SIGNATURE Lorna James DATE 5-24-01

(This space for State use only)

API NUMBER ASSIGNED: 43-033-30053

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 06-13-01

By: _____

(See Instructions on Reverse Side)

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MAY 25 2001
DIVISION OF
OIL, GAS AND MINING

:5/2000)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

FORM 7

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and number: Crane 6-7

API number: 4300330053

Well Location: QQ SENW Section 7 Township 6N Range 8E County Rich

Well operator: Fellows Energy Ltd

Address: 807 N. Pinewood Circle

city Price state Ut zip 84501 Phone: (435) 650-4492

Drilling contractor: Midway Drilling

Address: 1430 N. 500 W.

city Nephi state Ut zip 84648 Phone: (435) 623-8000

Water encountered (attach additional pages as needed):

DEPTH		VOLUME	QUALITY
FROM	TO	(FLOW RATE OR HEAD)	(FRESH OR SALTY)
			Well drilled with mud from
			surface. No water shows.

Formation tops: (Top to Bottom)

1	Wasatch	2	Frontier	3	Aspen
4	Bear river	5		6	
7		8		9	
10		11		12	

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JUN 28 2004
DIV. OF OIL, GAS & MINING

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT) Clifford Murray TITLE Exploitationist

SIGNATURE Clifford Murray DATE 5/25/2004

(5/2000)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: NA

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

7. UNIT or CA AGREEMENT NAME: NA

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: Crane 6-7

2. NAME OF OPERATOR: Fellows Energy Ltd

9. API NUMBER: 4303330053

3. ADDRESS OF OPERATOR: 807 N Pinewood Circle CITY Price STATE Ut ZIP 84501

PHONE NUMBER: (435) 650-4492

10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2,363' FNL 1,970' FWL

COUNTY: Rich

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 7 6N 8E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☑ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: 5/3/2004	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Plugged well using G cement @ 15.8ppg. 175 sack (35.8 bbls) balance plugs set @ 2,700'-2,200', 2,100'-1,600', 1,500'-1,000', 900'-400' and 125 sack (25.6 bbls) 300'-surface. Drilling mud used to drill well between balance plugs. Pulled last of drill pipe. Used 1" pipe to set 32 sack balance plug at surface. Welded on cap with well name, number and location for below grade burial.

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JUN 28 2004
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Clifford Murray TITLE Exploitationist

SIGNATURE Clifford Murray DATE 5/25/2004

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: NA
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
7. UNIT or CA AGREEMENT NAME: NA
8. WELL NAME and NUMBER: Crane 6-7
9. API NUMBER: 4303330053

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER CONFIDENTIAL

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR: Fellows Energy Ltd

3. ADDRESS OF OPERATOR: 807 N Pinewood Circle CITY Price STATE Ut ZIP 84501 PHONE NUMBER: (435) 650-4492

10 FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 2,363' FNL 1,970' FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW: NA
AT TOTAL DEPTH: 2,525' FNL 2,190' FWL

CONFIDENTIAL PERIOD EXPIRED ON 6-3-05

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 7 6N 8E

12. COUNTY: Rich
13. STATE: UTAH

14. DATE SPUDDED: 3/25/2004
15. DATE T.D. REACHED: 5/2/2004
16. DATE COMPLETED: 5/3/2004 ABANDONED ☑ READY TO PRODUCE ☐
17. ELEVATIONS (DF, RKB, RT, GL): 6.802' GR

18. TOTAL DEPTH: MD 4,280 TVD 4,276
19. PLUG BACK T.D.: MD TVD
20. IF MULTIPLE COMPLETIONS, HOW MANY? *
21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
Inclinometry, Induction, Microlog, Density Compensated Neutron, Mud

23.
WAS WELL CORED? NO ☐ YES ☑ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☐ YES ☑ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12 1/4	8.62" J55	24	0	525		G 350	0	Surface	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A)				
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

RECEIVED
JUN 28 2004
DIV. OF OIL, GAS & MINING

29. ENCLOSED ATTACHMENTS:

☑ ELECTRICAL/MECHANICAL LOGS ☑ GEOLOGIC REPORT ☐ DST REPORT ☑ DIRECTIONAL SURVEY
☑ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

P&A

(5/2000)

(CONTINUED ON BACK)

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Wasatch	0
				Unconformity	1,452
				Frontier	1,452
				Aspen	2,234
				Bear River	2,614

35. ADDITIONAL REMARKS (Include plugging procedure)

G Cement-15.8ppg, 175 sack balance plugs @ 2,700'-2,200', 2,100'-1,600', 1,500'-1,000', 900'-400' and 125 sack 300' to surface

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Clifford Murray TITLE Exploitationist

SIGNATURE Clifford Murray DATE 6/25/2004

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

CONFIDENTIAL

Halliburton

JOB SUMMARY

SAP #/TICKET # 3057115	TICKET DATE 05/03/04		
REGION NORTH AMERICA LAND	NWA / COUNTRY WESTERN	BDA / STATE DENVER,CO	COUNTY Rich, Ut
MBU ID / EMPL # G2487 / 122022	H E S EMPLOYEE NAME LENNIE N. COOK	PSL DEPARTMENT 10003 CEMENTING SERVICES	
LOCATION 10142 ROCK SPRINGS, WY	COMPANY Fellow Energy	CUSTOMER REP / PHONE Cliff Murray	
TICKET AMOUNT	WELL TYPE 02 GAS	API/UWI # 43-033-30053	
WELL LOCATION Evanston,wy	DEPARTMENT CEMENTING SERVICES 10003	SAP BOMB NUMBER 7521	Description PTA
LEASE NAME Crane	Well No. 6-7	SEC / TWP / RNG SEC 7 TWP 6N RNG 8E	

H.E.S. EMP NAME / EMP # / (EXPOSURE HOURS)	HRS		HRS		HRS		HRS
L.COOK 122022	15.0	B. Lessman	15.0	M. Olsen	15.0	S. Burnham	6.0

H.E.S. UNIT #S / (R / T MILES)	R / T MILES		R / T MILES		R / T MILES		R / T MILES
10547387 PICKUP	240	10243540 10025176 RCM	240	10026528*TK 10025027*660	240	10026535*TK 10322492*660	240

Form. Name _____ Type: GAS
Form. Thickness _____ From _____ To _____
Packer Type _____ Set At _____
Bottom Hole Temp. _____ Pressure _____
Retainer Depth _____ Total Depth _____

	Called Out	On Location	Job Started	Job Completed
Date	5/3/04	5/3/04	5/3/2004	5/304
Time	0500	0900	1402	2206

Tools and Accessories

Type and Size	Qty	Make
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
PDF Collar		
PDF Shoe		
L Clamp		
DV Tool		
Plug Set		
Weld-a		

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Conductor Casing							
Surface Casing	Used		8 5/8		0	528	
Intermediate Casing							
Production Casing							
Liner							
Tubing							
Tubing							
Drill Pipe							
Drill Pipe							
Open Hole			8 1/2		528	2,700	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials And Tank Strap

Mud Type _____ Density _____ Lb/Gal
Disp. Fluid _____ Density _____ Lb/Gal

Plug #1 Set at	2700.00	to	2200.00	Ft	175 Sks
Plug #2 Set at	2100.00	to	1600.00	Ft	175 Sks
Plug #3 Set at	1500.00	to	1000.00	Ft	175 Sks
Plug #4 Set at	900.00	to	400.00	Ft	175 Sks
Plug #5 Set at	300.00	to	0.00	Ft	125 Sks
Plug #6 Set at	5.00	to	0.00	Ft	32 Sks
Plug #7 Set at		to		Ft	Sks
Plug #8 Set at		to		Ft	Sks

Beging Strap _____ EndStrap _____ Lead Cmt
Beging Strap _____ EndStrap _____ Lead Cmt
Beging Strap _____ EndStrap _____ Lead Cmt
Beging Strap _____ EndStrap _____ Lead Cmt
Beging Strap _____ EndStrap _____ Tail Cmt
Beging Strap _____ EndStrap _____ Tail Cmt

Hours On Location

Date	Hours
5/3	15.00
Total	15.0

Operating Hours (Pumping)

Date	Hours
5/3	5.00
Total	5.0

OPERATING TIME (RIG UP/RIG DOWN)

DATE	HRS. / MIN.
5/3	2
TOTAL	2

Hydraulic Horsepower

Ordered _____ Avail. _____ Used _____

Average Rates in BPM

Treating _____ Disp. _____ Overall _____

Cement Left in Pipe

Feet _____ Reason _____

Cement Data

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal	BBLs
1	175	AG-300	Bulk/Sks	2% C.C	5.00	1.15	15.80	35.8
2	175	AG-300	Bulk/Sks	2% C.C	5.00	1.15	15.8	35.8
3	175	AG-300	Bulk/Sks	2% C.C	5.00	1.15	15.8	35.8
4	175	AG-300	Bulk/Sks	2% C.C	5.00	1.15	15.8	35.8
5	125	AG-300	Bulk/Sks	2% C.C	5.00	1.15	15.8	25.6
6	32	AG-300	Bulk/Sks	2% C.C	5	1.15	15.8	6.6

Circulating		Displacement		Preflush:	Gal - BBl		Type:
Breakdown		Maximum		Circulate Hole	Gal - BBl		Pad:Bbl -Gal
Lost Returns-YES		Lost Returns-NO		Excess /ReturnGal BBl			Calc.Disp Bbl
Cmt Rtrn#Bbl		Actual TOC		Calc. TOC:			Actual Disp.
Average		Frac. Gradient		Treatment:	Gal - BBl		Disp:Bbl-Gal
Shut In: Instant		15 Min.	30 Min.	Cement Slurry:	Gal - BBl		176
				Total Volume	Gal - BBl		176

Frac Ring #1 | Frac Ring #2 | Frac Ring #3 | Frac Ring #4

THE INFORMATION STATED HEREIN IS CORRECT
CUSTOMER REPRESENTATIVE Cliff Murray
SIGNATURE

Halliburton

Job Log

TICKET # 3057115	TICKET DATE 5/3/04		
REGION NORTH AMERICA LAND	NWA / COUNTRY WESTERN	BDA / STATE DENVER,CO	COUNTY Rich, Ut
MBU ID / EMPL # G2487 / 122022	H.E.S EMPLOYEE NAME LENNIE N. COOK	PSL DEPARTMENT 10003 CEMENTING SERVICES	
LOCATION 10142 ROCK SPRINGS, WY	COMPANY Fellow Energy	CUSTOMER REP / PHONE Cliff Murray	CONFIDENTIAL
TICKET AMOUNT	WELL TYPE 02 GAS	API/UWI # 43-033-30053	
WELL LOCATION Evanston,wy	DEPARTMENT CEMENTING SERVICES 10003	JOB PURPOSE CODE 7521	
LEASE / WELL # Crane	Well No. 6-7	SEC / TWP / RNG SEC 7 TWP 6N RNG 8E	

DATE	Time	Rate (BPM)	Volume (BBL/GAL)	Pumps T	Pumps C	Press.(PSI) Tbg	Press.(PSI) Csg	Job Description / Remarks
5/3/04	0500							Call Out
	0600							Safety meeting, Leave Yard
5/3/04	0900							On location
	915							Pre-job safety meeting
	0930							Rig Up
	1345							Safety meeting,
	1402							**Start 1st Plug**
	1403	5.0	10.0				65	Pump H2O Spacer
	1406						5000	Test Lines
	1415	5.0	35.8				145	**Pump Cement, 175 sks Of AG-300 With 2% C.C. @ 15.8 PPG**
	1424	2.0	3.8				65	Pump H2O Displacement
	1427	2.0	36.5				65	Pump Mud Displacement
	1437							**Shut Down**
	1439							**End 1st Plug**
	1519							**Start 2nd plug**
	1520	5.0	10.0				65	Pump H2O Spacer
	1525						5000	Test Lines
	1535	5.0	35.8				145	**Pump Cement, 175 sks Of AG-300 With 2% C.C. @ 15.8 PPG**
	1548	2.0	3.8				65	Pump H2O Displacement
	1550	2.0	25.5				65	Pump Mud Displacement
	1557							**Shut Down**
	1558							**End 2nd Plug**
	1837							**Start 3rd Plug**
	1838						65	Pump H2O Spacer
	1840						5000	Test Lines
	1846						145	**Pump Cement, 175 sks Of AG-300 With 2% C.C. @ 15.8 PPG**
	1856						65	Pump H2O Displacement
	1858						65	Pump Mud Displacement
	1900							**Shut Down**
	1901							**End 3rd Plug**
	1905							Wash up Truck to Pit
	1912							**Shut Down**
	1947							**Start 4th plug**
	1948	5.0	10.0				65	Pump H2O Spacer
	1955	5.0	35.8				145	**Pump Cement, 175 sks Of AG-300 With 2% C.C. @ 15.8 PPG**
	2002	2.0	3.8				65	Pump H2O Displacement
	2003	2.0	15.5				65	Pump Mud Displacement
	2007							**Shut Down**
	2008							**End 4th Plug**
	2049							**Start 5th Plug**
	2050	5.0	10.0				65	Pump H2O Spacer
	2055	5.0	25.6				85	**Pump Cement, 125 sks Of AG-300 With 2% C.C. @ 15.8 PPG**
	2059							**Shut Down**
	2100							**End 5th Pug**
	2200							**Start 1" top Out**
	2201	1.0	6.6				22	**Pump Cement, 32 sks Of AG-300 With 2% C.C. @ 15.8 PPG**
	2205							**Shut Down**
	2206							**End Job**
	2215							Post-job Safety Meeting
	2230							**Rig Down**
	0000							**Leave Location**
								THANK YOU LENNIE COOK AND CREW

FELLOWS ENERGY

CRANE
6-7

API Well No.:

31-Mar-04
RICH CO., UTAH

8 5/8 SURFACE CASING

RECEIVED
JUN 2 8 2004
DIV. OF OIL, GAS & MINING

Customer Representative:
CLIFF MURRAY
Halliburton Operator:
WAYNE MOUNT
Ticket No.:
3008090

HALLIBURTON

Halliburton

Job Log

TICKET #	TICKET DATE
3008090	03/31/04

REGION	NWA / COUNTRY	BDA / STATE	COUNTY
NORTH AMERICA LAND	WESTERN	DENVER,CO	RICH CO., UTAH

MBU ID / EMPL #	H.E.S EMPLOYEE NAME	PSL DEPARTMENT
247118	WAYNE MOUNT	10003 CEMENTING SERVICES

LOCATION	COMPANY	CUSTOMER REP / PHONE
10142 ROCK SPRINGS, WY	FELLOWS ENERGY	CLIFF MURRAY

TICKET AMOUNT	WELL TYPE	API/UWI #
$17,891.62	02 GAS	

WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE
WEST OF EVANSTON, WY	CEMENTING SERVICES 10003	7521

LEASE / WELL #	Well No.	SEC / TWP / RNG
CRANE	6-7	S7 - T6N - R8E

DATE	Time	Rate (BPM)	Volume (BBL)(GAL)	Pmps T	Pmps C	Press.(PSI) Tbg	Press.(PSI) Csg	Job Description / Remarks
03/31/04	0830							CALL OUT TIME
	0930							SAFETY MEETING
	0940							LEAVE YARD
	1200							ARRIVE ON LOCATION
	1210							SAFETY MEETING
	1215							SPOT EQUIPMENT / RIG UP
	1600							SAFETY MEETING WITH RIG
	1608						3500	TEST LINES
	1609	4.0	6.0				50	PUMP H2O SPACER
	1617	4.0	72.0				50	**MIX AND PUMP 350 SKS AG-300 CEMENT**
								15.8 PPG 1.15 YIELD 5 GAL/SK
								2% CC, 1/4#/SK FLOCELE, 1/4 #/SK KWIKSEAL
	1648							SHUT DOWN
	1648							DROP TOP PLUG
	1649	3.5	39.9				100-300	PUMP H2O DISPLACEMENT
	1658						1300	BUMP PLUG
	1703							CHECK FLOATS -- DID NOT HOLD
	1708							PRESSURE UP ON CASING AND SHUT IN
	1715							SAFETY MEETING
	1730							RIG DOWN
	1800							RELEASED FROM LOCATION
								THANK YOU, WAYNE MOUNT AND CREW!!

JOB SUMMARY

SAP #/TICKET # 3008090	TICKET DATE 03/31/04		
REGION NORTH AMERICA LAND	NWA / COUNTRY WESTERN	BDA / STATE DENVER,CO	COUNTY RICH CO., UTAH
MBU ID / EMPL # 247118	H.E.S EMPLOYEE NAME WAYNE MOUNT	PSL DEPARTMENT 10003 CEMENTING SERVICES	
LOCATION 10142 ROCK SPRINGS, WY	COMPANY FELLOWS ENERGY	CUSTOMER REP / PHONE CLIFF MURRAY	
TICKET AMOUNT $17,891.62	WELL TYPE 02 GAS	API/UWI #	
WELL LOCATION WEST OF EVANSTON, WY	DEPARTMENT CEMENTING SERVICES 10003	SAP BOMB NUMBER 7521	DESCRIPTION 8 5/8 SURFACE CASING
LEASE NAME CRANE	WELL NO. 6-7	SEC / TWP / RNG S7 - T6N - R8E	

H.E.S. EMP NAME / EMP # / (EXPOSURE HOURS)	HRS		HRS		HRS		HRS
W. MOUNT 247118	6.0	D. LISH 295022	6.0	C. WARNE S.O.S.	6.0		

H.E.S. UNIT #'S / (R / T MILES)	R / T MILES		R / T MILES		R / T MILES		R / T MILES
10286388 (WM)	240	10240238 10025185 RCM	240	10026607 10025023*660	240		

Form. Name _____ Type: GAS
Form. Thickness From _____ To _____
Packer Type _____ Set At _____
Bottom Hole Temp. _____ Pressure _____
Retainer Depth _____ Total Depth _____

	Called Out	On Location	Job Started	Job Completed
Date	3/31/04	3/31/04	3/31/04	3/31/04
Time	0830	1200	1606	1710

Tools and Accessories

Type and Size	Qty	Make
Float Collar	1	SSII
Float Shoe		
Guide Shoe	1	
Centralizers	4	
Bottom Plug		
Top Plug	1	5W
PDF Collar		
PDF Shoe		
L Clamp	1	
DV Tool		
Guide Shoe		
Plug Set		
Weld-a	1	

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Conductor Casing							
Surface Casing	NEW	24.0	8 5/8	J-55	0	513	
Intermediate Casing							
Production Casing							
Liner							
Tubing							
Tubing							
Drill Pipe							
Drill Pipe							
Open Hole							Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials And Tank Strap

Mud Type WBM Density 10.5 Lb/Gal
Disp. Fluid H2O Density 8.33 Lb/Gal

Plug #1 Set at _____ to _____ Ft _____ Sks
Plug #2 Set at _____ to _____ Ft _____ Sks
Plug #3 Set at _____ to _____ Ft _____ Sks
Plug #4 Set at _____ to _____ Ft _____ Sks
Plug #5 Set at _____ to _____ Ft _____ Sks
Plug #6 Set at _____ to _____ Ft _____ Sks
Plug #7 Set at _____ to _____ Ft _____ Sks
Plug #8 Set at _____ to _____ Ft _____ Sks

Beging Strap _____ EndStrap _____ Lead Cmt
Beging Strap _____ EndStrap _____ Lead Cmt
Beging Strap _____ EndStrap _____ Lead Cmt
Beging Strap _____ EndStrap _____ Lead Cmt
Beging Strap _____ EndStrap _____ Tail Cmt
Beging Strap _____ EndStrap _____ Tail Cmt

Hours On Location

Date	Hours
3/31	6.00
Total	6.0

Operating Hours (Pumping)

Date	Hours
3/31	1.00
Total	1.0

OPERATING TIME (RIG UP/RIG DOWN)

DATE	HRS. / MIN.
3/31	2
TOTAL	2

Hydraulic Horsepower

Ordered _____ Avail. _____ Used _____

Average Rates in BPM

Treating _____ Disp. _____ Overall _____

Cement Left in Pipe

Feet 43.0 Reason SHOE JOINT

Cement Data

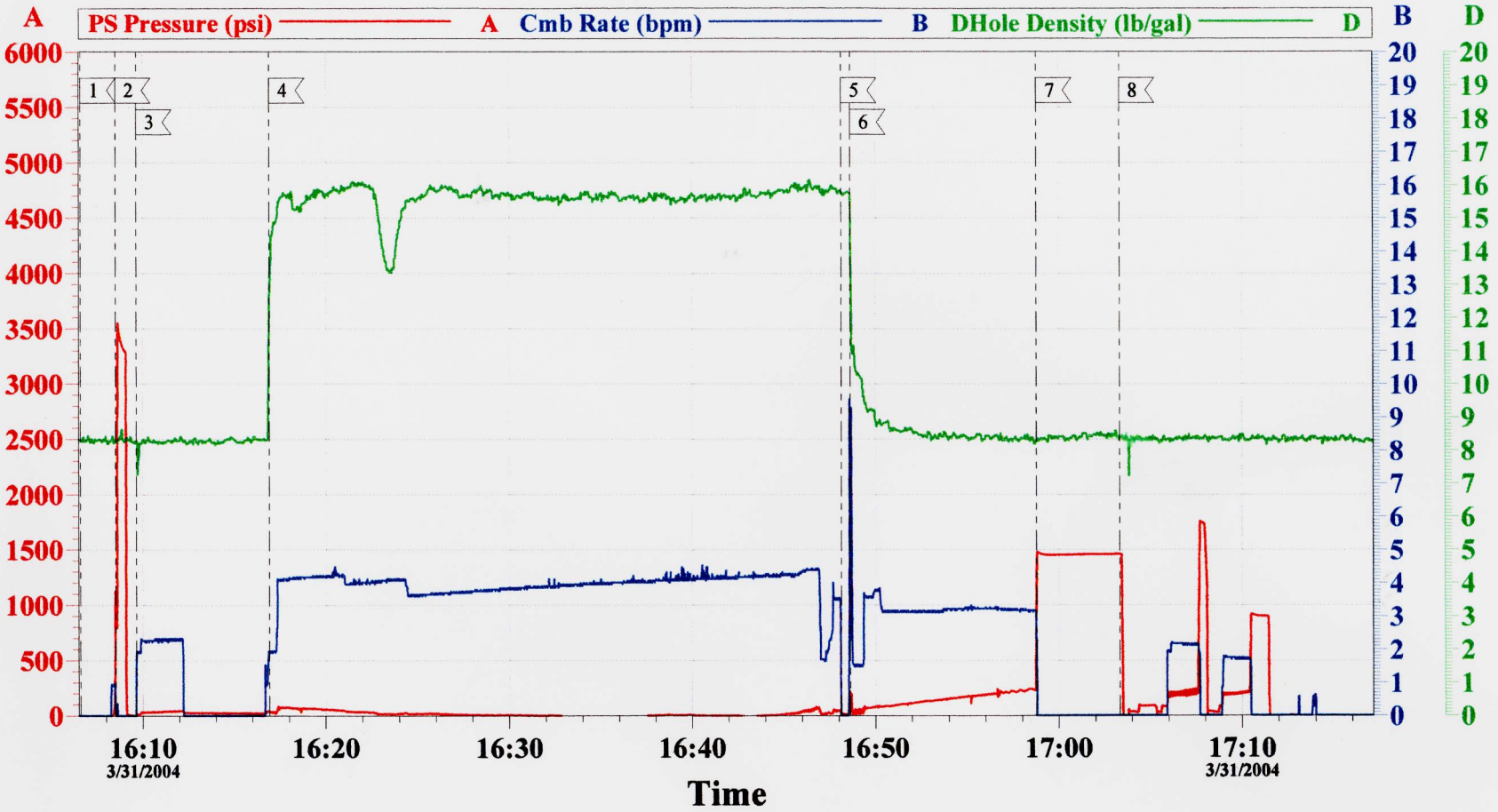
Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal	BBLs
1	350	AG-300	BULK	2% CC, 1/4#/SK FLOCELE, 1/4 #/SK KWIKSEAL	5.00	1.15	15.8	71.7
2								0.0
3								0.0
4								0.0
5								0.0
6								0.0

Circulating		Displacement		Preflush:	Gal - BBl		Type:
Breakdown		Maximum		Circulate Hole	Gal - BBl		Pad:Bbl -Gal
Lost Returns-YES		Lost Returns-NO	XXXX	Excess /ReturnGal BBl			Calc.Disp Bbl 29.9
Cmt Rtrn#Bbl	29	Actual TOC	SURFACE	Calc. TOC:		SURFACE	Actual Disp. 29
Average		Frac. Gradient		Treatment:	Gal - BBl		Disp:Bbl-Gal BBL
Shut In: Instant		15 Min.	30 Min.	Cement Slurry:	Gal - BBl		72
				Total Volume	Gal - BBl		101

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER REPRESENTATIVE CLIFF MURRAY
SIGNATURE

ROCK SPRINGS CEMENT



Event Log

1	Start Job	16:06:36	2	Test Lines	16:08:30	3	Pump Spacer 1	16:09:39
4	Pump Cement	16:16:55	5	Shut Down / Drop Top Plug	16:48:08	6	Pump Displacement	16:48:38
7	Bump Plug	16:58:47	8	Check Floats	17:03:20			

Customer: FELLOWS ENERGY	**Job Date:** 3/31/04	**Ticket #:** 3008090
Well Description: CRANE 6-7	**Operator:** WAYNE MOUNT	**Job Type:** 8 5/8 SURFACE CASING

HALLIBURTON

CemWin v1.5.0
31-Mar-04 17:25

State Copy

Fellow Energy

Crane
6-7

API Well No.:
43-033-30053

3-May-04
Rich, Ut

PTA

RECEIVED
JUN 28 2004
DIV. OF OIL, GAS & MINING

Customer Representative:
Cliff Murray
Halliburton Operator:
LENNIE N. COOK
Ticket No.:
3057115

HALLIBURTON

JOB SUMMARY

SAP #/TICKET # 3057115		TICKET DATE 05/03/04	
REGION NORTH AMERICA LAND	NWA / COUNTRY WESTERN	BDA / STATE DENVER,CO	COUNTY Rich, Ut
MBU ID / EMPL # G2487 / 122022	H.E.S EMPLOYEE NAME LENNIE N. COOK	PSL DEPARTMENT 10003 CEMENTING SERVICES	
LOCATION 10142 ROCK SPRINGS, WY	COMPANY Fellow Energy	CUSTOMER REP / PHONE Cliff Murray	
TICKET AMOUNT	WELL TYPE 02 GAS	API/UWI # 43-033-30053	
WELL LOCATION Evanston,wy	DEPARTMENT CEMENTING SERVICES 10003	SAP BOMB NUMBER 7521	Description PTA
LEASE NAME Crane	Well No. 6-7	SEC / TWP / RNG SEC 7 TWP 6N RNG 8E	

H.E.S. EMP NAME / EMP # / (EXPOSURE HOURS)	HRS		HRS		HRS		HRS
L.COOK 122022	15.0	B. Lessman	15.0	M. Olsen	15.0	S. Burnham	8.0

H.E.S. UNIT #S / (R / T MILES)	R / T MILES		R / T MILES		R / T MILES		R / T MILES		R / T MILES
10547387	PICKUP	240	10243540	10025176 RCM	240	10026528*TK	10025027*660	240	10026535*TK	10322492*660	240

Form. Name _____ Type: GAS
Form. Thickness _____ From _____ To _____
Packer Type _____ Set At _____
Bottom Hole Temp. _____ Pressure _____
Retainer Depth _____ Total Depth _____

	Called Out	On Location	Job Started	Job Completed
Date	5/3/04	5/3/04	5/3/2004	5/304
Time	0500	0900	1402	2206

Tools and Accessories

Type and Size	Qty	Make
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
PDF Collar		
PDF Shoe		
L Clamp		
DV Tool		
Plug Set		
Weld-a		

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Conductor Casing						
Surface Casing	Used		8 5/8	0	528	
Intermediate Casing						
Production Casing						
Liner						
Tubing						
Tubing						
Drill Pipe						
Drill Pipe						
Open Hole			8 1/2	528	2,700	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials And Tank Strap

Mud Type _____ Density _____ Lb/Gal
Disp. Fluid _____ Density _____ Lb/Gal

Plug #1 Set at	2700.00	to	2200.00	Ft	175 Sks
Plug #2 Set at	2100.00	to	1600.00	Ft	175 Sks
Plug #3 Set at	1500.00	to	1000.00	Ft	175 Sks
Plug #4 Set at	900.00	to	400.00	Ft	175 Sks
Plug #5 Set at	300.00	to	0.00	Ft	125 Sks
Plug #6 Set at	5.00	to	0.00	Ft	32 Sks
Plug #7 Set at		to		Ft	Sks
Plug #8 Set at		to		Ft	Sks

Beging Strap _____ EndStrap _____ Lead Cmt
Beging Strap _____ EndStrap _____ Lead Cmt
Beging Strap _____ EndStrap _____ Lead Cmt
Beging Strap _____ EndStrap _____ Lead Cmt
Beging Strap _____ EndStrap _____ Tail Cmt
Beging Strap _____ EndStrap _____ Tail Cmt

Hours On Location

Date	Hours
5/3	15.00
Total	15.0

Operating Hours (Pemping)

Date	Hours
5/3	5.00
Total	5.0

OPERATING TIME (RIG UP/RIG DOWN)

DATE	HRS. / MIN.
5/3	2
TOTAL	2

Hydraulic Horsepower
Ordered _____ Avail. _____ Used _____

Average Rates in BPM
Treating _____ Disp. _____ Overall _____

Cement Left in Pipe
Feet _____ Reason _____

Cement Data

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal	BBLs
1	175	AG-300	Bulk/Sks	2% C.C	5.00	1.15	15.80	35.8
2	175	AG-300	Bulk/Sks	2% C.C	5.00	1.15	15.8	35.8
3	175	AG-300	Bulk/Sks	2% C.C	5.00	1.15	15.8	35.8
4	175	AG-300	Bulk/Sks	2% C.C	5.00	1.15	15.8	35.8
5	125	AG-300	Bulk/Sks	2% C.C	5.00	1.15	15.8	25.6
6	32	AG-300	Bulk/Sks	2% C.C	5	1.15	15.8	6.6

Circulating		Displacement		Preflush:	Gal - BBl		Type:
Breakdown		Maximum		Circulate Hole	Gal - BBl		Pad:Bbl -Gal
Lost Returns-YES		Lost Returns-NO		Excess /ReturnGal BBl			Calc.Disp Bbl
Cmt Rtrn#Bbl		Actual TOC		Calc. TOC:			Actual Disp.
Average		Frac. Gradient		Treatment:	Gal - BBl		Disp:Bbl-Gal
Shut In: Instant		15 Min.	30 Min.	Cement Slurry:	Gal - BBl	176	
				Total Volume	Gal - BBl	176	

Frac Ring #1 | Frac Ring # 2 | Frac Ring # 3 | Frac Ring # 4

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER REPRESENTATIVE **Cliff Murray** SIGNATURE

Halliburton

Job Log

TICKET #	DATE
3057115	5/03/04

REGION	NWA / COUNTRY	BDA / STATE	COUNTY
NORTH AMERICA LAND	WESTERN	DENVER,CO	Rich, Ut

MBU ID / EMPL #	H.E.S EMPLOYEE NAME	PSL DEPARTMENT
G2487 / 122022	LENNIE N. COOK	10003 CEMENTING SERVICES

LOCATION	COMPANY	CUSTOMER REP / PHONE
10142 ROCK SPRINGS, WY	Fellow Energy	Cliff Murray

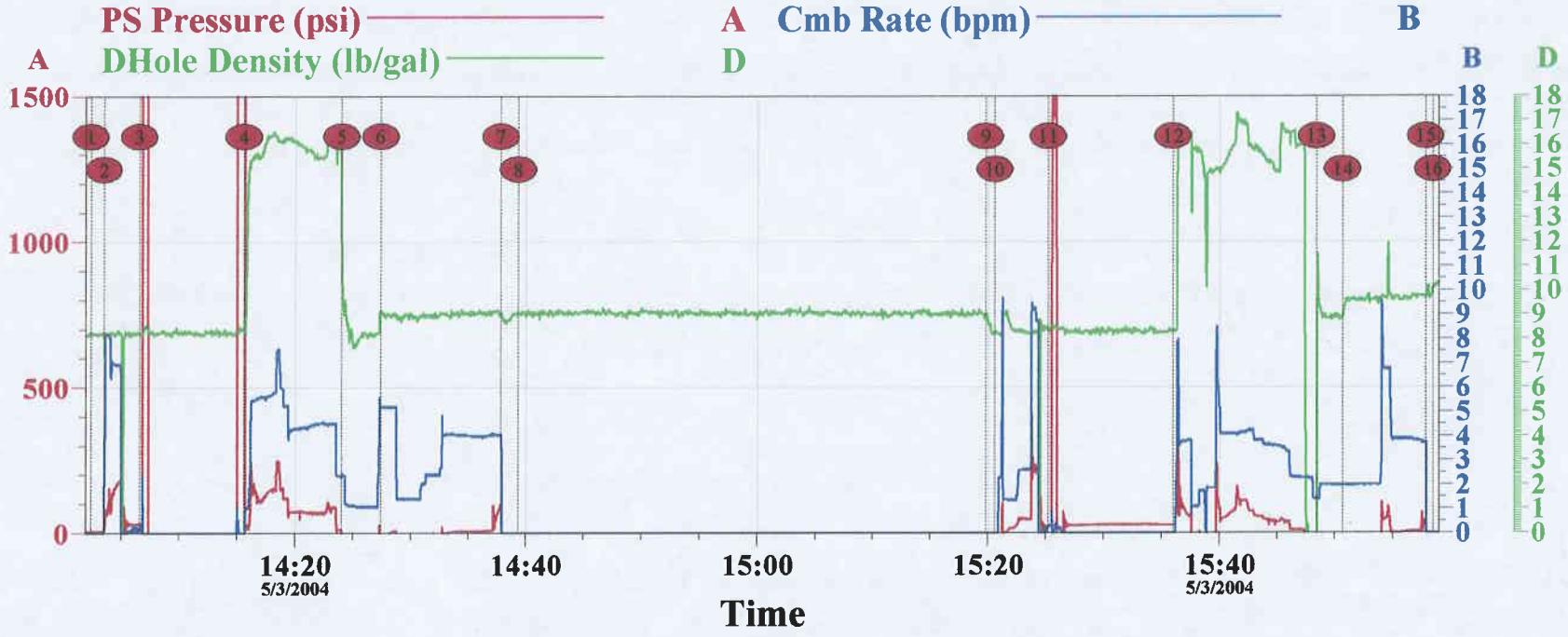
TICKET AMOUNT	WELL TYPE	API/UWI #
	02 GAS	43-033-30053

WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE
Evanston,wy	CEMENTING SERVICES 10003	7521

LEASE / WELL #	Well No.	SEC / TWP / RNG
Crane	6-7	SEC 7 TWP 6N RNG 8E

DATE	Time	Rate (BPM)	Volume (bbl)(gal)	Pumps T	Pumps C	Press.(PSI) Trg	Press.(PSI) Csg	Job Description / Remarks
5/3/04	0500							Call Out
	0600							Safety meeting, Leave Yard
5/3/04	0900							On location
	915							Pre-job safety meeting
	0930							Rig Up
	1345							Safety meeting,
	1402							Start 1st Plug
	1403	5.0	10.0				65	Pump H2O Spacer
	1406						5000	Test Lines
	1415	5.0	35.8				145	Pump Cement, 175 sks Of AG-300 With 2% C.C. @ 15.8 PPG
	1424	2.0	3.8				65	Pump H2O Displacement
	1427	2.0	36.5				65	Pump Mud Displacement
	1437							Shut Down
	1439							End 1st Plug
	1519							Start 2nd plug
	1520	5.0	10.0				65	Pump H2O Spacer
	1525						5000	Test Lines
	1535	5.0	35.8				145	Pump Cement, 175 sks Of AG-300 With 2% C.C. @ 15.8 PPG
	1548	2.0	3.8				65	Pump H2O Displacement
	1550	2.0	25.5				65	Pump Mud Displacement
	1557							Shut Down
	1558							End 2nd Plug
	1837							Start 3rd Plug
	1838						65	Pump H2O Spacer
	1840						5000	Test Lines
	1846						145	Pump Cement, 175 sks Of AG-300 With 2% C.C. @ 15.8 PPG
	1856						65	Pump H2O Displacement
	1858						65	Pump Mud Displacement
	1900							Shut Down
	1901							End 3rd Plug
	1905							Wash up Truck to Pit
	1912							Shut Down
	1947							Start 4th plug
	1948	5.0	10.0				65	Pump H2O Spacer
	1955	5.0	35.8				145	Pump Cement, 175 sks Of AG-300 With 2% C.C. @ 15.8 PPG
	2002	2.0	3.8				65	Pump H2O Displacement
	2003	2.0	15.5				65	Pump Mud Displacement
	2007							Shut Down
	2008							End 4th Plug
	2049							Start 5th Plug
	2050	5.0	10.0				65	Pump H2O Spacer
	2055	5.0	25.6				85	Pump Cement, 125 sks Of AG-300 With 2% C.C. @ 15.8 PPG
	2059							Shut Down
	2100							End 5th Pug
	2200							Start 1" top Out
	2201	1.0	6.6				22	Pump Cement, 32 sks Of AG-300 With 2% C.C. @ 15.8 PPG
	2205							Shut Down
	2206							End Job
	2215							Post-job Safety Meeting
	2230							Rig Down
	0000							Leave Location
								THANK YOU LENNIE COOK AND CREW

Halliburton Energy Services



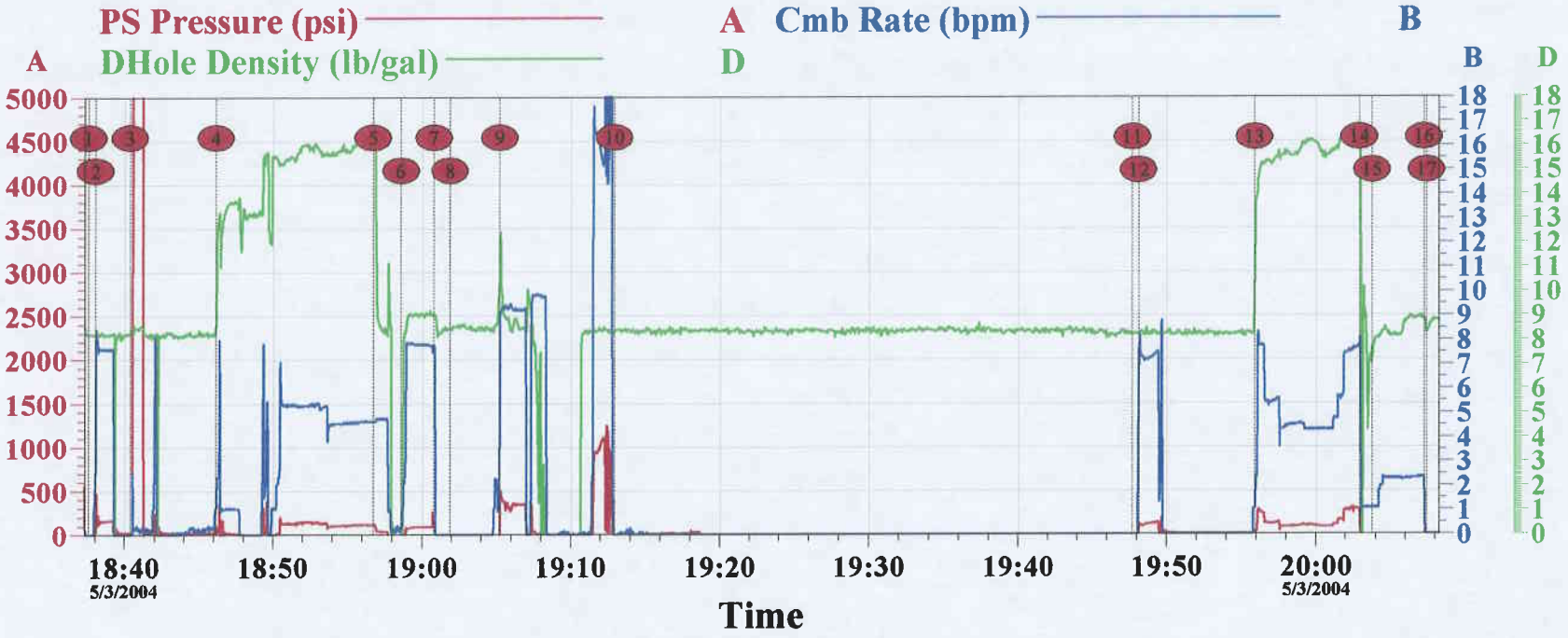
Event Log

Start 1ST Plug	14:02:19	Pump H2O Spacer	14:03:28	Test Lines	14:06:33
Pump Cement	14:15:36	Pump H2O Displacement	14:24:03	Pump Mud Displacement	14:27:27
Shut Down	14:37:51	End 1ST Plug	14:39:23	Start 2ND Plug	15:19:49
Pump H20 Spacer	15:20:38	Test lines	15:25:17	Pump Cement	15:35:59
Pump H2O Displacement	15:48:26	Pump Mud Displacement	15:50:42	Shut Down	15:57:54
End 2ND Stage	15:58:31				

Customer: Fellow Energy Well Description: Crane #6-7 PTA	Job Date: 5/3/04 Cliff Murray	Ticket #: 3057115 Lennie N. Cook

HALLIBURTON
CemWin v1.5.0
03-May-04 18:08

Halliburton Energy Services



Event Log

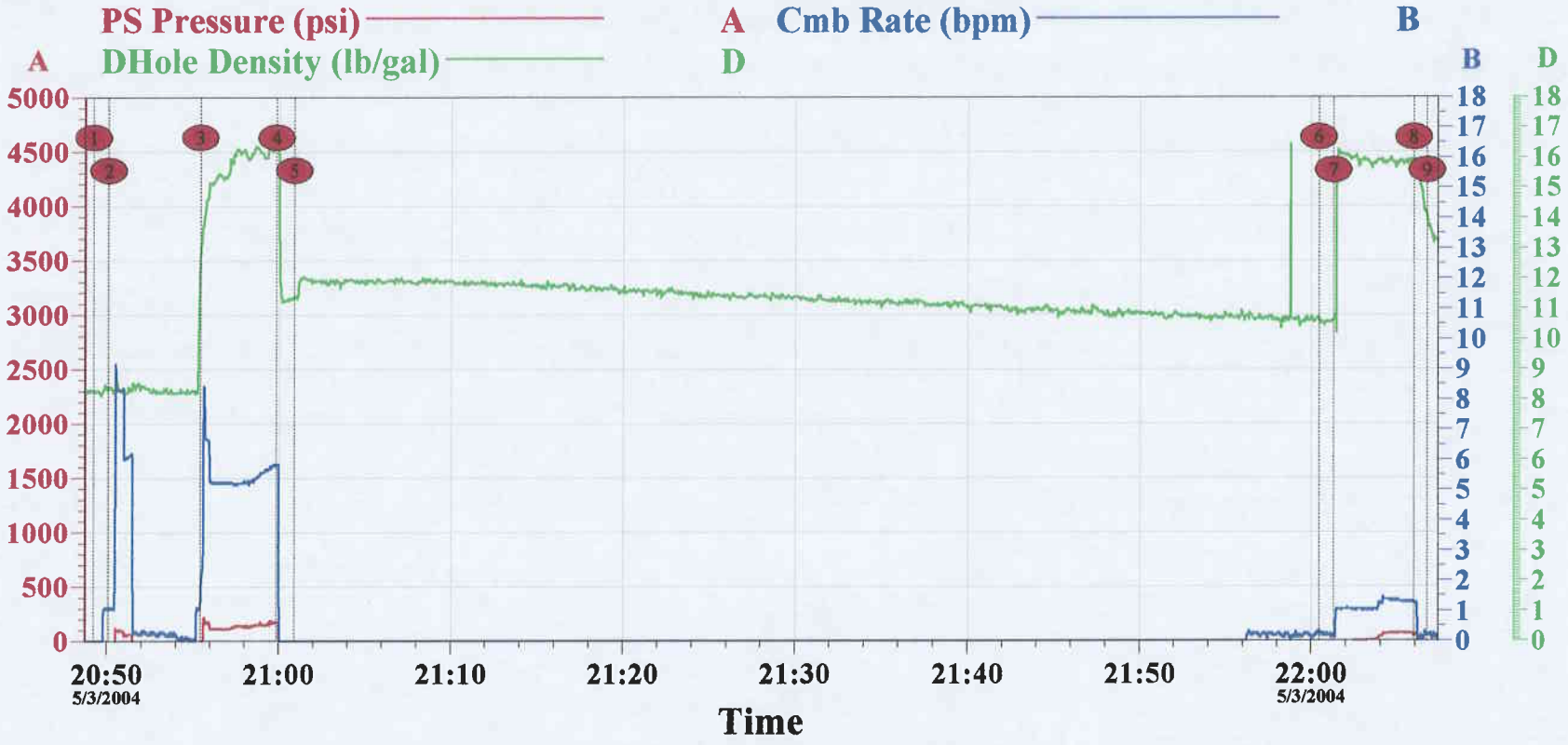
Start 3RD Plug	18:37:35	Pump H2O Spacer	18:38:03	Test Lines	18:40:22
Pump Cement	18:46:10	Pump H2O Displacement	18:56:45	Pump Mud Displacement	18:58:38
Shut Down	19:00:50	End 3RD Plug	19:01:54	Wash Truck Up To Pit	19:05:14
Shut Down	19:12:57	Start 4th Plug	19:47:43	Pump H2O Spacer	19:48:08
Pump Cement	19:55:56	Pump H2O Displacement	20:02:56	Pump Mud Displacement	20:03:47
Shut Down	20:07:16	End 4th Plug	20:07:26		

Customer: Fellow Energy Well Description: Crane #6-7 PTA	Job Date: 5/3/04	Ticket #: 3057115 Lennie N. Cook

HALLIBURTON

CemWin v1.5.0
03-May-04 22:21

Halliburton Energy Services



Event Log

Start 5th Plug	20:49:15	Pump H2o Spacer	20:50:07	Pump Cement	20:55:26
Shut Down	20:59:53	End 5th Plug	21:00:55	Start 1" Top Out	22:00:28
Pump Cement	22:01:19	Shut Down	22:05:57	End Job	22:06:43

Customer: Fellow Energy Well Description: Crane 6-7 PTA	Job Date: 5/3/04	Ticket #: 3057115 Lennie N. Cook

HALLIBURTON
CemWin v1.5.0
03-May-04 22:18

FELLOWS ENERGY, LLC

CRANE #6-7

2363' FNL & 1970' FWL

SECTION 7, T6N, R8E

RICH COUNTY, UTAH

GEOLOGY REPORT
by
JASON G. BLAKE, CPG, RPG
411 TAMARISK DRIVE
SUNBURST CONSULTING
BILLINGS, MONTANA
(406) 259-4124
sunburstconsulting@compuserve.com

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SUNBURST CONSULTING
A GEOLOGY SERVICE

WELL SUMMARY

OPERATOR:	**FELLOWS ENERGY, LLC**
NAME:	**CRANE #6-7**
LOCATION:	**2363' FNL & 1970' FWL, SEC 7-T6N-R8E**
	AT TOTAL DEPTH-2525' FNL & 2193' FWL
COUNTY/STATE:	**RICH COUNTY, UTAH**
ELEVATION:	**GR 6802', KB 6812'**
SPUD DATE:	**4/8/04**
COMPLETION DATE:	**TOTAL DEPTH 4280' @ 0600 HOURS 5/2/04; TVD 4276'**
DRILLING ENGINEERS:	**CLIFF MURRAY, STEVE PRINCE**
WELLSITE GEOLOGY:	**JASON BLAKE-TITAN ENERGY RESOURCES**
GAS DETECTION EQUIP:	**SUNBURST DIGITAL GEOLOGY SYSTEM**
LOGGERS:	**JASON BLAKE, TOM GRIGGS, ROGER HAAG**
CONTRACTOR:	**UNION DRILLING, RIG 14**
TOOL PUSHER:	**REX HARRIS**
HOLE SIZE:	**12 ¼", SURF-525'; 7 7/8" 525' TO 4280' TD**
CASING RECORD:	**8 5/8" TO 525' KB (PRE-SET), CEM TO SURF**
DRILLING MUD:	**KEMTEC, ROOSEVELT, UTAH**
ENGINEERS:	**LEN ARNOLD**
MUD TYPE:	**KCL SEMI-DISPERSED**
ELECTRIC LOGS:	**SCHLUMBERGER PLATFORM EXPRESS**
	ARRAY IND, DENS/NEUT, MICROLOG, INCLIN, 4270'-528'
SAMPLES:	**30' SAMP: 1300-1600'; 10' SAMPLES 1600'-2113'; CORE 2113'-2255'; 10' SAMP: 2555'-3510'; CORE 3510'-3746', 10' SAMP: 3746'-4006'; CORE 4006'-4185'; 10' SAMP. 4185'-4280'**
DRILL STEM TESTS:	**NONE**
CORES:	**WIRELINE RETREIVABLE CORING SYSTEM**
CORING COMPANY:	**CORION CORING SYSTEMS, CALGARY, ALBERTA, CANADA**
CORE ANALYSIS:	**TICORA GEOSCIENCES, ARVADA, COLORADO**

DRILLING CHRONOLOGY

FELLOWS ENERGY, LLC
CRANE #6-7

DATE	DEPTH	DAILY	ACTIVITY
4/10/04	--	--	Rig up Sunburst Consulting 1-man geological consulting with gas detection.
4/11/04	1106'	358'	Drill 1106' to 1384'. Circ out and TOH. LD drill collars. PU coring system BHA and TIH. Drill 1384'-1464'.
4/12/04	1464'	115'	Drill 1464' to 1515'. Circ out & TOH to inspect BHA. LD coring system and PU NB #4 and conventional BHA. TIH and resume drilling at 1930 hours. Drill 1515' to 1579'.
4/13/04	1579'	304'	Drill 1579'-1883'.
4/14/04	1883'	230'	Drill 1883'-2113'. Circ out, run survey and TOH to PU coring assembly.
4/15/04	2113'	52'	TIH with coring assembly. Core Spring Valley coal section 2113'-2165'.
4/16/04	2165'	66'	Core 2165'-2231'.
4/17/04	2231'	99'	Core 2231'-2255', TOH and LD core assembly. PU new BHA and NB #7 and TIH. Drill 2255'-2330'.
4/18/04	2330'	187'	Drill 2330'-2517'. TOH for NB #8.
4/19/04	2517'	397'	PU NB #8 & TIH. Drill 2517'-2914'.
4/20/04	2914'	244'	Drill 2914'-3158'.
4/21/04	3158'	268'	Drill 3158' to 3424'.
4/22/04	3424'	109'	Drill 3424' to 3510'. TOH to PU coring assembly. TIH and core 3510'-3533'.
4/23/04	3533'	76'	Core 3533'-3609'.
4/24/04	3609'	73'	Core 3609'-3682'. Swivel locked up when attempting to resume drilling. Wait on new swivel.
4/25/04	3682'	64'	Swap out new swivel. Resume coring, core 3682'-3745'. Run bit insert in core barrel and drill 3745'-3746'. TOH to PU conventional BHA.
4/26/04	3746'	124'	PU Bit #10, extra collars and TIH. Ream 250 feet to bottom. Resume drilling at 1330 hours. Drill 3746'-3870'.
4/27/04	3870'	136'	Drill 3870'-4006'. Circ out and TOH for coring BHA. Stand back collars and TIH with core barrel.

DRILLING CHRONOLOGY CONT.

FELLOWS ENERGY, LLC
CRANE #6-7

DATE	DEPTH	DAILY	ACTIVITY
4/28/04	4006'	77'	TIH with core barrel. Cut core #20 from 4006'-4019', rec 12.5' of 13' (core jammed). Cut core #21 from 4019-4042', rec 24.3'. Cut core #22 from 4042-4062', rec 19.8'. Cut core #23 from 4062-4083', rec 21'.
4/29/04	4083'	59'	Cut core #24 from 4083-4103', rec 19.9'. Cut core #25 from 4103-4122', rec 19.3'. Cut core #26 from 4122-4134', rec 12'. Cut core #27 from 4134-4134.2', rec 0.2'.
4/30/04	4144'	19'	Cut core #28 from 4134.2'-4144.4, rec 9.9'. Cut core #29 from 4144.4'-4144.9, rec 0.7'. TOH to PU conventional BHA. PU Bit #12 and extra collars, TIH. Drill 4145'-4163'. TOH for core barrel & Bit # 13.
5/1/04	4163'	89'	TIH w/ Bit #13 & core barrel and cut core #30 from 4163'-4185, rec 23'. TOH for Bit #14 and conventional BHA. Drill 4185'-4252'.
5/2/04	4252'	28'	Drill 4252'-4280'. Circulate 1 ½ hours and TOH for logs. Rig up Schlumberger and run Platform Express log suite. Sunburst Consulting released at 1800 hours 5/2/04.

BIT RECORD

OPERATOR: FELLOWS ENERGY, LLC
WELL NAME: CRANE #6-7

BIT #	SIZE	MAKE	TYPE	SERIAL #	IN	OUT	FTG	HRS	FT/HR
1	7 7/8"	PDC	CSS513	4DP021	470'	731'	261'	3.5	74.57
2	7 7/8"	HTC	MX-18	396JD	731'	1384'	653'	29.0	22.52
3	7 7/8"	PDC	CSS513	HDP02	1384'	1515'	131'	10.75	12.19
4	7 7/8"	HTC	HAT447	08306	1515'	2113'	598'	40.5	14.76
5	7 7/8"	PDC	CSS513	020	2113'	2183'	70'	24	2.92
6	7 7/8"	DPI	CMR34	2016055	2183'	2255'	72'	11	6.54
7	7 7/8"	HTC	HAT447	08306	2255'	2517'	262'	20.5	12.78
8	7 7/8"	Varel	CH29HS	198121	2517'	3510'	993'	62.5	15.89
9	7 7/8"	DPI	CMR34	2016055	3510'	3746'	236'	47.5	4.97
10 (rr8)	7 7/8"	Varel	CH29HS	198121	3746'	4006'	260'	24.0	10.83
11	7 7/8"	DPI	CMR36	2015682	4006'	4144'	139'	40.0	3.48
12(rr7)	7 7/8"	HTC	HHT447	08306	4144'	4163'	19'	1.0	19
13	7 7/8"	DPI	CMR46	2015959	4163'	4185'	22'	1.5	14.67
14 (rr 7)	7 7/8"	HTC	HHT447	08306	4185'	4280'	95	11.5	8.26

DEVIATION RECORD

OPERATOR: FELLOWS ENERGY, LLC
WELL NAME: CRANE #6-7

DEPTH	ANGLE	AZIM	DEPTH	ANGLE	AZIM	DEPTH	ANGLE	AZIM	DEPTH	ANGLE	AZIM
493'	4°		1150'	2 ¾°		2010'	2 ¾°		2880'	6 ¼°	
523'	3 ¾°		1242'	2 ¼°		2063'	2°		2908'	7°	
650'	6 ½°		1430'	2 ½°		2315'	3°		3033'	4 ½°	
775'	6°		1543'	2 ¾°		2457'	4 ½°		3130'	7 ½°	
828'	5°		1639'	1 ½°		2472'	4 ½°		3259'	7 ¾°	
911'	4 ¾°		1732'	2°		2565'	5 ½°		3437	7 ¾°	
973'	3 ¾°		1815'	2 ½°		2660'	5 ¼°		3908'	4°	
1063'	3 ¼°		1900'	2°		2782'	6 ¾°				

MUD REPORT

OPERATOR: FELLOWS ENERGY, LLC
WELL NAME: CRANE #6-7

DATE	DEPTH	WT	VIS	PV	YLD	GEL	pH	WL	CK	Cl	Ca	SD	SOL	WTR
4/10/04	902'	8.8	35	6	3	½	11.5	8.4	2/32	18000	420	Tr	2.0%	98.0%
4/11/04	1262'	8.9	38	9	4	2/5	11.0	7.6	2/32	29000	240	1%	3.0%	97.0%
4/12/04	1515'	9.4	39	10	5	2/4	11.0	8.8	2/32	23000	160	Tr	6.0%	94.0%
4/13/04	1703'	9.5	40	11	5	2/4	11.0	7.6	2/32	25000	80	Tr	7.0%	93.0%
4/14/04	2105	9.3	40	14	6	2/5	11.0	6.4	2/32	28000	120	Tr	6.0%	94.0%
4/15/04	2119'	9.5	42	16	9	3/7	11.0	6.0	2/32	34000	80	Tr	7.0%	93.0%
4/16/04	2183'	9.7	42	18	10	4/8	10.5	6.4	2/32	26000	100	Tr	7.0%	93.0%
4/17/04	2255'	9.7	42	20	11	5/10	10.0	6.8	2/32	30000	60	Tr	8.0%	92.0%
4/18/04	2548'	9.7	42	16	8	3/7	11.0	9.6	2/32	34000	20	Tr	7.0%	93.0%
4/19/04	2686'	9.7	42	16	9	4/7	11.0	8.4	2/32	35000	60	Tr	8.0%	92.0%
4/20/04	2997'	9.7	42	17	10	4/8	10.5	7.4	2/32	39000	80	Tr	7.0%	93.0%
4/21/04	3397'	9.7	42	15	8	4/6	10.0	5.8	2/32	27000	60	Tr	6.0%	94.0%
4/22/04	3510'	9.6	42	16	10	5/7	11.0	9.8	2/32	33000	80	Tr	7.0%	93.0%
4/23/04	3561'	9.7	43	18	12	6/9	10.5	8.9	2/32	29000	80	Tr	9.0&	91.0%
4/24/04	3646'	9.5	43	16	10	5/8	11.5	9.4	2/32	33000	60	Tr	6.0%	94.0%
4/25/04	3683'	9.5	43	16	11	5/9	11.0	10.2	2/32	30000	80	Tr	6.0%	94.0%
4/26/04	3853'	9.5	42	15	12	5/10	10.5	9.8	2/32	24000	120	Tr	7.0%	93.0%
4/27/04	3996'	9.4	41	13	10	4/8	11.0	9.4	2/32	36000	100	Tr	5.0%	95.0%
4/28/04	4061'	9.5	44	16	11	6/9	10.5	8.8	2/32	32000	80	Tr	6.0%	94.0%
4/29/04	4133'	9.4	43	17	12	6/10	11.0	8.4	2/32	25000	60	Tr	5.0%	95.0%
4/30/04	4144'	9.4	42	15	10	5/8	10.5	8.2	2/32	29000	80	Tr	5.0%	95.0%
5/1/04	4185'	9.3	41	15	9	4/9	10.5	8.8	2/32	35000	120	Tr	NA	NA
5/2/04	4280'	9.4	45	17	12	6/11	11.0	8.0	2/32	32000	60	Tr	5.0%	95.0%

SAMPLE DESCRIPTIONS

OPERATOR: FELLOWS ENERGY, LLC
WELL NAME: CRANE #6-7

1300-30 SLTSTN, varicol, lr rd- lt gr, spt blk ip,sft-frm, sl pyr ip, calc, SS strng, chlor, hd, wl cem, scat LS, lt gr-gr, argil, hd, scat CHT, brn-wht-gr-blk, NFSOC
1330-60 SLTSTN aa, bcm vlt gr-lt gr, sft-gummy grd to CLYSTN ip, rr sndy ip, com rnd congl pebs, calc, NFSOC
1360-90 SLTSTN grd to SHL, lt-md gr-brn-yel, blky, md frm ip, scat-com clr-yel CHT, com SS, wht-gr mott, fn-md grn, pr srt, argil, cly fill, NFSOC
1390-1420 pred SHL, lt gr-gr grn to occ gr brnr, blky, sl frm-sft, sl wxy tex ip, bent, calc, NFSOC
1420-50 SHL, lt gr-gr grn to occ gr brn-dk gr, blky, sl frm, silty to sl wxy tex ip, sl sndy ip, calc, scat lt gr-clr CHT, NFSOC
1450-80 SHL, gr grn-lt gr, blky, sl sft-md frm, bent, sl mic ip, scat SS, clr-lt gr, v fn-md grn, sb rnd, pr srt, cly fill, scat lt gr transl CHT, NFSOC
1480-1510 pred bent SHL, lt gr-pl gr grn, blky, md frm, wxy, sl mic ip, scat dk gr SHL, scat dk gr CHT, NFSOC

FRONTIER FORMATION 1516' (5296)

1510-40 SHL, md gr brn, blky, sl-md frm, com carb inclus, scat coal string-pyr ip, scat-com BENT, lt gr-crm, frm, NFSOC
1540-70 SHL, tn-crm, blky, frm, bent to slty ip, calc
1570-1600 SS, lt gr, sl S&P, vfn-fn grn, sb rnd, md srt, md frm, mic, calc & SHL, tn-crm, blky, frm, bent to slty ip, NFSOC
1600-20 SS, crm-lt gr, S&P, vfn-fn grn, sb rnd, md srt, com dk lithic frags, md frm, calc cem, scat wht transl CHT, scat crm BENT, scat SHL, lt gr-gr grn-brn, blky, md frm, sl calc, NFSOC
1620-40 SHL, md gr, blky-sb plty, sl frm, slty ip grd to SLTSTN ip, calc, NFSOC
1640-60 NO SAMPLES SAVED
1660-80 SHL, lt-md-occ dk gr, blky-sb plty, sl frm-md sft, gummy ip, slty tex ip, sl pyr ip, calc
1680-1700 SS, lt gr, sl S&P, vfn grn grd to SLTSTN ip, sb rnd, md wl srt, md frm-fri ip, calc, NFSOC, SHL, dk gr-dk brn, striat, blky, md sft, carb w blk carb inclus, rr vit coal inclus, NFSOC
1700-20 LS, lt brn, md hd, mic xln, dens, argil + SHL, brn-dk gr, stiat blk ip, blky-sb plty, sl frm-md sft, carb ip, blk shl ptgs, sl pyr ip, scat COAL, blk, vit, britt, NFSOC
1720-40 SHL, lt-md gr, blky, md frm, slty ip to sl carb ip, calc + SS, lt gr-mott dk gr ip, sl S&P, fn grn, sb ang, md sft, argil, calc, NFSOC
1740-60 SHL, dk gr-blk ip, striat, md sft, carb w blk carb inclus, sl-non calc, scat COAL strng, blk, vit w conc frac + SLTSTN, lt-md gr, blky, sl frm, calc, NFSOC
1760-80 SS grd to SLTSTN ip, lt-occ md gr, vfn grn, sb rnd, md wl srt, cly fill, argil w blk carb ptgs, scat blk vit COAL + SHL, md gr- gr grn ip, blky, sl pyr ip, bent ip, scat calc fill frac, NFSOC
1780-1800 SHL, lt gr-tn, grd to md-dk gr, blky, md-sl frm, v calc ip grd to LS, tn, mic-crypto xln, dens, hd, sl pyr ip, scat wht calc fill frac, scat dull yel min FLUOR (calc), no shows
1800-20 SHL, pred md gr, blky, sl frm, sl slty/grny tex ip, calc-v calc ip grd to v argil LS, tn, micxln, dens, NFSOC
1820-40 SHL, lt-md gr, blky, sl-md frm, sl slty/grny tex ip, sl calc-calc, sl argil ip grd to SLTSTN ip, minor dk gr carb prtgs, NFSOC
1840-60 SHL aa, lt-md gr, blky, sl-md frm, sl slty/grny tex ip grd to SLTSTN ip, sl calc-calc, minor dk gr carb prtgs aa, NFSOC
1860-80 SS, lt gr-mott brn-dk gr, fn-vfn to occ md grn, sb ang, pr-md srt, com-abund lith frags, sl

pyr ip, abund cly fill, calc cem + SHL, lt gr, blky, md frm, calc, slty ip to sl wxy tex ip, NFSOC
1880-1900 SHL, lt-md gr, blky, md-sl frm, sl wxy tex ip to slty tex ip, calc, NFSOC
1900-20 SHL, lt gr-pl blu gr, blky-plty, frm, bent, sl mic, sl calc & SHL, lt brn, plty-blky, md frm, sl calc, NFSOC
1920-40 SHL, lt gr brn, blky, md frm, sl calc + SS, lt gr-md brn, mott dk gr ip, fn-occ md grn, sb rnd, md srt, abund lith frags, wl cem w calc cem, NFSOC
1940-60 SHL, dk brn-blk, sb plty-blky, sl plastic to brittle, lt brn grsy strk, v carb grd to low grd COAL ip, blk vit COAL strngrs, sl sheen on smp wtr, no FLUOR
1960-80 SHL, md blu-gr, blky, md frm, calc, slty ip to sl bent-wxy ip, scat SS, lt gr-mott brn-dk gr, fn grn, sb rnd, md srt, lithic frags, calc cem, NFSOC
1980-2000 SS, crm-brn-lt gr, fn-md grn, sb rn-sb ang, pr srt, cly fill, scat glauc, NFSOC + SHL, md gr-dk brn, blky, md-sl frm, carb ip w COAL strngrs, NFSOC
2000-20 SHL, md blu-gr, blky, md frm, calc, sl wxy tex ip, silty/sndy in grd to SS strngrs, lt gr-mott brn-dk gr, fn-md grn, sb ang, md srt, wl cem w calc cem, NFSOC
2020-40 SHL, lt-md gr, blky, md-sl frm, slty ip grd to SLTSTN ip, sl-mod calc, NFSOC, loc COAL strgrs, loc SLTST strgr
2040-2060 SHL aa, lt-md gr, blky, md-sl frm, slty ip gcm pl bly gr, wxy, bent ip, blky, md frm, sl calc, sl mic, NFOSC
2060-80 SHL, md gr, blky, md frm-frm, grny/slty tex, calc, scat-com blk carb inclus, scat blk vit COAL, NFSOC
2080-2113 SHL, dk gr-dk gr brn, blky-sp plty, sl-md frm, carb, calc, scat-com blk vit COAL ptgs, NFSOC
CORE #1 2113-37', rec 23', pred SHL, md-dk gr, sl slty ip, masv-thn lam ip, intrbd zones of bioturb/foss hash (brach), scat blk vit carb/coal inclus, 6" bent SHL at 2130'
CORE #2 2137-58', rec 20', interbd SHL, md-dk gr, slty/sndy ip, CARB SHL, blk, coaly, sl frm-md sft & COAL, blk, sft, fri, fract, 3/8-1/2" cleats in lowermost coal interval
CORE #3 2158-66', rec 8', SHL, md gr, md frm, sl calc, slty ip, rr carb inclus
CORE #4 2166-83', rec 17', SHL, md-dk gr, sl calc, slty/sndy ip, CARB SHL, dk gr-blk, md frm, sl calc, intbd COAL, blk, vit, frac, shly ip
CORE #5 2183-2207', rec 24', SHL, md gr, sl calc, slty/sndy ip, CARB SHL, dk gr-blk, md hd, sl-md calc, shlly intbds, loc COAL strgrs, blk, loc vit, SNDST, med-lt gr, v fn grn, sl calc, detrital/slty, fos frags, mnr carb, rr pyr
CORE #6 2207-31', rec 24.8', SNDST, med-lt gy, fn-v fn grn, md-sl calc, detrital/slty, fos frags, mnr carb, rr v fn grn pyr, SHL, md gr, sl calc, slty intbd w/ CARB SHL, dk gr-blk, md frm, sl slty, sl calc

ASPEN SHALE 2234' (4578)

CORE #7 2231-55', rec 24', CARB SHL, dk gr-blk, md hd, sl slty, sl calc, carb alng fracs
2255-80 SHL, md-lt gry, md frm, slty, md calc, loc grdg to mnr CARB SHL, dk gr-blk, md hd-frm, sl slty, sl calc, wk fluo, no cut, w/ loc SS ib, md gry, fn gr, slty, md calc
2280-2300 SHL, md gry, sub plty, md hd-frm, slty, md calc, rr fn gn pyr, NFSOC
2300-20 SHL, md gry, sub plty, md frm, slty, md calc, loc grdg to mnr CARB SHL, dk gr-blk, md frm, sl slty, md calc, NFSOC, w/ loc strgrs SLTST-SS, md-lt gry, v fn gr-slty, md calc
2320-40 SHL, md gry, sub plty, md frm, slty, md calc, NFSOC, w/ loc strgrs SLTST, md-lt gry, md calc
2340-60 SHL, md gry, sb plty-plty, md hd-frm, slty, md calc, loc rr v fn grn pyr, NFSOC
2360-80 SHL, md-lt gry, sub plty-plty, md hd- frm, slty, md calc, NFSOC
2380-2400 SHL, md-lt gr, sub plty, sft, pr consol, slty, loc wxy, md calc, grdg to NFSOC
2400-20 SHL, md-lt gr, sub plty, sft, pr consol, slty, loc wxy, md calc, grdg to NFSOC, SLTSTN, md gry, sb plty-mssv, sft, sndy, md calc, mnr BENT lt gry-gry gn, wxy
2420-40 SHL, dk gry brn, plty-sub plty, md hd, sl slty, com v fn grn dissem pyr, NFSOC

2440-60 SHL, dk gry brn, dk gry, plty-sub plty, md hd, sl slty, v fn grn dissem pyr, NFSOC
2460-80 SHL, dk gry brn, dk gry, plty-sub plty, md hd, sl slty, com v fn grn dissem pyr, NFSOC, loc BENT wht-ltgry, blu grn, shly-loc mssv, wxy, wk calc
2480-2500 SHL, dk gry brn, dk gry, plty-sub plty, md hd, sl slty, sl calc, NFSOC, SNDST ib, lt-md gry, fn-v fn grn, detrital/slty, fos frags, mnr carb, loc BENT wht-ltgry, blu grn, shly-loc mssv, wxy, wk calc
2500-20 SHL, dk gry brn, dk gry, plty-sub plty, md hd, sl slty, wk calc, NFSOC
2520-40 SHL, dk gry- dk gry brn, plty-sub plty, md hd, loc foss hash, sl slty, v sl calc, NFSOC
2540-60 SHL, dk gry brn, dk gry, plty-sub plty, md hd, sl slty, v sl calc, NFSOC, loc BENT, lt gry, frm, wk min flu
2560-80 SHL, dk gry brn, plty-sub plty, md hd, loc mnr lt brn foss hash, sl slty, v sl calc, NFSOC, loc mnr BENT, lt gry, frm, wk min flu
2580-2600 SHL, dk gry brn, dk gry, plty-sub plty, md hd, loc mnr foss hash, sl slty, v sl calc, NFSOC, loc mnr BENT, lt gry, blu gry, frm, wk min flu

BEAR RIVER FORMATION 2614' (4198)

2600-20 SHL, dk gry, dk gry brn, sub plty-plty, md hd, sl slty, v sl calc, v fn gr, dissem pyr, NFSOC, loc BENT strgrs, lt gry, lt blu gry, frm, wk min flu, loc v sl calc
2620-40 SHL, dk gry-dk gry brn, sub plty-plty, md hd, sl slty, v sl calc, v fn gr, dissem pyr, NFSOC, loc BENT strgrs, lt gry- wht, sft- frm, v wk-no min flu
2640-60 SHL, dk gry, dk gry brn, plty-sub plty, md hd, sl slty, v sl calc, NFSOC, loc BENT, lt gry-wht, lt blu gry, frm-sft, v wk min flu, loc v sl calc
2660-80 SHL, dk gry, dk gry brn, plty-sub plty, md hd, sl slty, v sl calc, NFSOC, loc BENT, lt gry-wht, lt blu gry, frm-sft, v wk min flu, v sl calc, loc SNDY SLTST, lt gry-wht, md hd-frm, mnr pyr
2680-2700 SNDSTN lt gry, lt brn, S&P, mssv, md hd-frm, loc mnr mic, rr pyr, v sl-no calc, SHL, dk gry, dk gry brn, plty-sub plty, md hd, sl slty, v sl calc
2700-20 SHL, dk gry, dk gry brn, plty- sub plty, md hd, sl slty, v sl calc, NFSOC, loc SLTSTN, lt gry, frm, sndy, v sl calc, mnr BENT, lt gry-wht, frm-sft, v sl calc
2720-40 SHL, dk gry brn, dk gry, plty- sub plty, md hd, loc mnr foss, sl slty, loc v fn gr pyr, v sl calc, NFSO
2740-60 SHL, dk gry brn, dk gry, plty- sub plty, md hd, loc mnr foss, sl slty, loc v fn gr pyr, v sl calc, NFSOC
2760-80 SHL, md-dk gry, loc brn gry, sub plty, md hd, str slty, loc v fn gr pyr, sl-md calc, NFSOC, loc SNDST, lt gry, S&P, v fn grn, frm-md hd, slty, SLTST, lt-md gry, frm-md hd, md calc
2780-2800 SLTST, md-lt gry, frm-md hd, md calc, mnr dissem pyr, SNDST, lt gry-wht, S&P, v fn grn, md hd-frm, slty, md calc, SHL, md-dk gry, plty, md hd, str slty, sl-md calc, NFSOC
2800-20 SNDST, trnslc, lt gry-wht, S&P, fn grn, md hd-loc frm, sbang-sbrnd, no flu
2820-40 SS, trnslc, lt gry-wht, S&P, fn grn, md hd-loc frm, sbrnd-sbang, no flu, SLTST, gry brn, frm-md hd, com sndy, sl calc, mnr BENT, blu grn, wxy, mnr SH, blk, plty, md hd
2840-60 SNDST, trnslc, lt gry-wht, S&P, fn grn, md hd-loc frm, sbrnd- sbang, no flu, loc slty, SLTST, dk brn, md hd, com sndy
2860-80 SLTST, gry brn, dk gry, md hd-v sft, com sndy, str cly, sl calc, rr pyr, SS, lt gry-wht, S&P, trnslc, v fn grn, md hd, sbrnd- rnd, com slty, SH, dk gry, md hd, sbplty-plty, mnr BENT, md gry-blu grn, wxy
2880-2900 SLTST, lt-md gry, md hd-frm, com sndy, loc str cly, sil cmt, md intxln calc, rr pyr, SS, lt gry-wht, S&P, trnslc, v fn grn, md hd, sbrnd-sbang, com slt-cly, sil cmt, md calc
2900-20 SS, lt gry, loc brn gry, v fn grn, md hd, sbrnd-sbang, com slty-cly, rr v fn grn pyr, sil cmt, md intxln calc, SLTST, lt-md gry, com snd, str cly, sil cmt, md calc, rr pyr
2920-40 SS, lt gry, v fn grn, md hd, sbrnd-sbang, com slt-cly, rr v fn grn pyr, sil cmt, md-str intxln calc, SLTST, lt-md gry, md hd-frm, loc sndy, str cly, sil cmt, md intxln calc

2940-60 SLTST, lt-md gry, frm-sft, loc sndy, str cly, sil cmt, md intxln calc, SS, lt gry, v fn-fn grn, md hd, sbrnd-sbang, com slt-cly, sil cmt, md-str intxln calc
2960-80 SS, lt gry, S&P, trnslc ip, v fn grn, md hd, sbrnd-sbang, mnr slt, sil cmt, str intxln calc, SLTST ib, lt-md gry, sft-frm, str cly, mnr SH dkgry, plty, md hd
2980-3000 SLTST, lt brn, lt gry, sft, str cly, md-str calc, loc mnr carb SHL, SS, md brn, v fn grn, md hd, com slt, sil cmt, md-str intxln calc
3000-20 SS, lt gry, S&P, trnslc ip, fn-v fn grn, md hd, sbrnd-sbang, mnr slt, sil cmt, str intxln calc, rr pyr, SLTST ib, lt-md gry, plty, md hd, md calc, rr fn grn pyr
3020-40 SH, dk gry-blk, plty-sub plty, frm-md hd, com carb, loc pyr, md calc, loc md brn & foss, loc grdg to COAL, blk, plty, vit, SLTST, grn gry, frm, sl calc
3040-60 SH, md-dk gry, sub plty, md hd, com carb, rr loc pyr, sl-md calc, loc md brn & foss, SS lt gry, S&P, trnsluc, fn grn, md hd, sl intxln calc, SLTSTN grn gry, frm, sl calc
3060-80 SH, md-dk gry, plty, md hd, com carb, md calc, loc md brn & foss, SS lt gry, S&P, mnr COAL strgr, blk, vit, md pyr, v fn grn, md hd, md intxln calc
3080-3100 SH, md-dk gry, plty, md frm-hd, md calc, loc md brn & foss, SS lt gry, loc trnsluc, md hd, v fn grn, SLTSTN, md gry, frm, md calc
3100-20 SLTST, lt-md gry, frm-md hd, loc sndy, str cly, sl-md calc, loc mssv calc alng fracs, SS, lt gry, v fn-fn grn, md hd, sbrnd- sbang, com slt-cly, sil cmt, md-str calc, SH, dk gry, md hd, sl calc
3120-40 SS, lt gry, loc S&P, v fn-fn grn, md hd, sbrnd-sbang, loc slt, str sil cmt, md-sl calc
3140-60 SLTST, md gry-gry grn, frm, loc sndy, str cly, sl calc, loc rr dissem pyr, grdg to SS, lt gry, v fn-fn grn, md hd, sbrnd- sbang, com slt-cly, sil cmt, md calc, SH, dk gry, md hd, sl calc
3160-80 SS, lt-md brn, gry grn-lt gry, v fn grn, sbang-sbrnd, md hd, loc sndy, str slt-cly, sil cmt, md calc, loc SLTSTN strgrs, gry brn, frm, com cly, sl calc, SH, dk gry, md hd, sl calc
3180-3200 SLTST, lt-md gry-gry grn, sft-frm, loc sndy, str cly, sl-md calc, grdg to SS, lt gry, v fn grn, md hd, sbang-sbrnd, com slt-cly, sil cmt, sl-md calc
3200-20 SS, ltgry-lt brn, wk S&P, v fn grn, sbrnd-sbang, md hd, str com slt-cly, wk sil cmt, md calc, loc SLTSTN strgrs, md gry-grn gry, frm, cly, sl calc, rr pyr, SH, dk gry, md hd, loc carb grdg to COAL
3220-40 SLTST, lt-md gry, md hd-frm, loc sndy, com cly, sl calc, grdg to SS, lt gry, v fn grn, md hd, com slt-cly, sil cmt, md calc,SH md-dk gry, md hd, loc carb, mnr BENT, lt grn, wxy
3240-60 SLTST, lt-md gry, lt brn, mssv-sbplty, md hd-frm, loc sndy, com cly, sl-md calc
3260-80 SS, lt-md gry, v fn grn, md hd, str com slt-cly, sil cmt, md calc, loc SLTSTN strgrs, lt gry, lt brn, md hd, cly, sl calc SH, dk gry, md hd, sl calc grdg to mnr COAL
3280-3300 SH, md-dk gry, lt-md brn, md hd, loc arg, loc foss, md-sl calc, SLTSTN, md gry, md hd-sft, com slt-cly, md calc, mnr BENT lt grn, wxy
3300-20 SLTST, lt gry-lt gry grn, mssv, frm-sft, loc sndy, com cly, sl calc, sil cmt, SS, lt gry, S&P, fn-v fn grn, md hd, sbrnd- sbang, loc slty, md calc, rr pyr
3320-40 SS, lt gry, S&P, v fn grn, sbang- sbrnd, md hd, com slt-cly, sil cmt, md calc, loc SLTSTN strgrs, lt gry-gry grn, frm-sft, com cly, sl calc
3340-60 SLTST, lt gry-lt gry grn, mssv, md hd-frm, loc sndy, com cly, md-sl calc, SS, lt gry, lt brn, v fn grn, md hd, slty, md calc, SH, dk gry, md hd, sl calc, mnr BENT, lt grn, wxy, frm
3360-80 SLTST, md gry, lt brn, frm, com cly, md-sl calc, SS, lt gry, v fn grn, md hd, slty, md calc, SH, md gry, md hd, sl calc, mnr BENTaa
3380-3400 SS, lt-md gry, gry brn, v fn grn, sbang- sbrnd, md hd, com slt-cly, sil cmt, md calc, SLTSTN strgrs, lt-md gry, md hd-sft, com cly, sl-md calc, SH aa
3400-20 SLTST, md-lt gry, frm-sft, com cly, md calc, SH md-dk gry, md hd, sl-no calc, SS, lt gry, lt brn, v fn grn, md hd, slty, md calc
3420-40 SS, lt gry, lt gry brn, loc S&P, fn-v fn grn, sbang-sbrnd, md hd, incr slt-cly w/ depth, sil cmt, v sl calc, loc SLTST, aa
3440-60 SS, lt gry, lt gry brn, v fn grn, sbang- sbrnd, md hd, com slt-cly, sil cmt, sl-md calc, loc SLTST, lt-md gry, sft, com cly, md calc, SH dk gry, md hd, sl- md calc

3460-80 SLTST, md brn gry-lt gry, md hd-sft, v sndy, com cly, md calc, grdg to SS ib, md gry brn, v fn grn, md hd, slty, md calc, SH md-dk gry, md hd, plty, sl-no calc
3480-3500 SLTST, gry brn-lt gry, sft, com cly, md-sl calc, grdg to SS, lt gry grn, v fn grn, md frm, md-sl calc, SH md gry, md gry brn, md hd, sl calc
3500-10 SS, lt gry, lt brn, v fn grn, sbrnd, md hd, com slt-cly, sil cmt, md calc, loc SLTST, lt-md gry, gry grn, md hd-frm, com cly, sl calc
CORE #8, 3510'-3533', rec 23', SHL, md-dk gr, frm, sl calc, rip-up clasts ip & intrbd SS, lt gr, sl S&P, fn grn, sb rnd, md srt, fn lam to sl x-bd, sl mic, calc cem, NFOSC
CORE #9, 3533'-3557', rec 22.5', SHL, md-dk gr, blky, frm, sndy ip, calc & SS, lt-md gr brn, mott dk gr, fn grn, sb rnd, md wl srt, md wl cem w calc, cly fill, scat calc lined frac, NFSOC
CORE #10, 3557'-3561', rec 4', SLTY SHL, md gr, frm, sl calc ip, scat calc fill frac, NFSOC
CORE #11, 3561'-3585', rec 24', SS, lt gr, vfn grn grd to SLTSTN ip, sb ang, wl srt, wl cem w calc cem, SHL, md gr, frm, dens, sl calc w rr blk carb flks, scat calc fill frac, NFSOC
CORE #12, 3585'-3609', rec 24', SS, lt gr, fn grn, sb ang, wl srt, x bed, wl cem w calc, intrbd SHL, md gr-dk gr ip, frm, sl calc to calc, sndy ip w SS strngrs, thin carb shl int near base, NFSOC
CORE #13, 3609'-20.5', rec 11.5', SHL, md-dk gr-occ blk, frm to sft, carb ip, sl-md calc, bioturb ip w oyst shells @ 3616', coal strngrs in carb shl section
CORE #14, 3620.5'-3644', rec 23.5', SHL & SNDY SHL, md-sl gr, md frm, sl bent ip, com calc fill frac + SS, lt-md gr, vfn-fn grn, sb ang, md wl srt, x bed ip, calc cem, intrbd sndy shl, NFSOC
CORE#15, 3644'-3662', rec 14.5', SS, lt-md gr, vfn grn grd to SLTSTN ip, sb ang, wl srt, calc cem, low energy envi w abund intrbd dk gr SHL + SHL, md-dk gr, frm, calc, sl carb-lost 2' at base-prob carb SHL
CORE #16, 3662-3682', rec 22.5', (rec base of core #15), pred SHL, dk gr-blk, carb ip, sl-non calc, com foss intrbds (oysters), scat blk vit coal prtgs in carb shl, rr thin bent strgrs, lt brn, sft
CORE #17,3582'-3707', rec 22.5', (lost coal at base) pred SHL, dk gr-blk, sl frm-sft, carb ip, calc, com foss intrbds, thin intrbd COAL, NFSOC
CORE #18, 3707'-3729', rec 22' pred carb SHL, dk gr-blk, sl frm-sft, sl calc, foss ip, scat thin intrbd COAL, intrbd SHL, md-dk gr, frm, calc, foss, NFSOC
CORE #19, 3429'-3745', rec 18'?, upper 11'-SHL grd to carb SHL, md-dk gr-blk, md frm-md sft, sl calc ip, v foss beds & COAL strngrs; lower 6'-SLTSTN grd to SS, lt-md gr, vfn grn, wl srt, hd, wl cem w calc, NFSOC
3745-60 SHL, md-dk gr-lt gr grn, blky-sb plty, md frm-md sft, carb ip to bentic ip, sl-non calc
3760-80 SS, tn-lt brn, vfn grn-occ fn grn, sb rnd, md wl srt, pred qtz w scat dk gr lith grns, md hd-hd, wl cem, calc cem, NFSOC
3780-3800 SHL, md-dk gr-occ dk gr brn, blky-sl plty, md frm-sft ip, slty/rthy tex ip, carb ip, brn grsy strk, sl-md calc, scat COAL, blk, vit + LS, md brn-dk gr brn, mic xln, dens, hd, argil, sl foss ip, NFOSC
3800-20 pred LS, md-dk brn, fn-mic xln, den-sl rthy tex ip, argil, sl foss, poss scat blk STN in frac, rr calc frac fill, scat COAL, blk, vit, concoid frac, no FLUOR, sl resid rnd CUT
3820-40 SHL, md-dk gr, sb blky, sl frm-md sft, carb, sl calc, sl pyr ip, scat-com blk vit COAL ptgs, scat tn calc frac fill; shl bcm sft, rthy, slty, sl foss, NFOSC
3840-60 LS, tn-md br-dk gr ip, mic xln, dens-sl rthy tex, v foss/ coquin ip, argil, abund shl ptgs + SHL, md-dk gr, sb blky, sl frm-md sft, rthy tex ip, carb, SS at base, lt gr-brn, v fn grn, md wl srt, hd-wl cem w calc, sl pyr ip,NFSOC
3860-80 SHL, md-dk gr-occ blk, sb blky, sl frm-md sft, rthy/slty tex ip, sl calc, foss ip, carb grd to shly COAL ip, blk, sft, brittle, NFOSC
3880-3900 LS, md-dk brn, sl hd, mic xln, foss, argil to v argil grd to v calc SHL ip + abund COAL grd to coaly SHL, blk, blky, brittle, cleated, NFOSC
3900-20 LS, brn-occ tn, mic xln, dens-sl rthy tex ip, foss, argil grd to v calc SHL ip, scat SHL, dk gr, blky, carb, scat COAL, blk, vit, conciod frac, NFOSC
3920-40 LS aa, brn-occ tn, mic xln, dens-sl rthy tex ip, foss, argil grd to v calc SHL & scat COAL,

blk, vit aa, NFOSC
3940-60 SS, crm-lt gr, vfn grn, sb rnd, md wl srt, hd, pred qtz w scat dk gr lith grns, calc & poss qtz ovrgth cem + SHL, md-dk gr, sb blky, sl frm-md sft, calc, NFSOC
3960-80 SHL, md-dk gr-occ blk, sb blky, frm, rthy, v carb ip, coaly lams, foss, v calc grade to foss Marlstn w/ LS, brn-occ tn , dns-rthy, arg, foss, grade to foss Marlstn
3980-4006 SS, crm-lt gr, vfn grn, sb rnd, md wl srt, hd, pred qtz w scat dk gr lith grns, v calc, grade to sndy LS w/ LS, brn-occ tn , dns-rthy, arg, v sndy + SHL, aa NFSOC
CORE #20 4006'-4019', rec 12.5',
5.5'-SHL, md-dk gr-blk, hrd- frm, calc, v slty, carb ip, occ foss; 2'- Coal & sm carb SHL; 5'- SHL, tn-brn gr-blk, hrd- frm, carb ip, abnd foss , v calc, grd to Mrlstn, NFSOC
CORE #21 4019-4042', rec 24.3', Thin intrbdng of SHL, tn-brn gr-blk, hrd- frm, v slty, carb ip, v foss, v calc, grd to Mrlstn; Coal / carb SHL; LS, brn-occ tn , dns-rthy, arg, foss, grd to foss Mrlstn. Calc frac fll thru out
CORE #22 4042-4062', rec 19.8', Thin intrbdng of SHL, tn-brn gr-blk, hrd- frm, v slty, carb ip, v foss, v calc, grd to Mrlstn; Coal / carb SH and occ brn-occ tn , dns, foss, LS. Calc frac fll thru out
CORE #23 4062-4083', rec 21', SS, crm-lt grn, vfn grn, sb rnd, fr srt, hd, Qtz occ hvy min, abnd calc cmt / mtrx. SHL, tn-brn gr-blk, hrd- frm, v slty, v carb, coaly lams, foss, v calc. LS, brn-tn , dns, foss, shly.
CORE #24 4083-4103', rec 19.9', SHL, tn-brn gr-blk, hrd- frm, v slty, v carb, coaly lams, foss, v calc. w/ strngrs LS, brn-tn , dns, foss, shly.
CORE #25 4103-4122', rec 19.3', SHL, tn-brn gr-blk, hrd- frm, v slty, v carb, coaly lams, foss, v calc, Bent w/ strngrs LS, brn -tn, dns, shly, sndy, v foss and shly Coal.
CORE #26 4122-4134', rec 12', SHL, tn-brn gr-blk, hrd- frm, v slty, v carb, coaly lams, foss, v calc. LS, bn-tn, v dns, foss, shly & vf gr, calc, SS
CORE #27 4134-4134.2', rec 0.2'.
CORE #28 4134.2'-4144.4, rec 9.9', SHL, brn-blk, hd-fm, v slty, v carb, coal lam, foss, calc. Coal. & vf gr, calc, SS
CORE #29 4144.4'-4144.9, rec 0.7'.
4145-63 SS, lt crm-lt gy, md occ f grn, ang-sbrnd, wl srt, fri, Qtz occ hvy min, sli calc, cln, fr-gd occ v gd por, NSOCF. SH, gy-blk, blky, v carb, coal lams. Coal, blk, vit, blky.
CORE #30 4163'-4185, rec 23'. SHL, brn-blk, hd-fm, v slty ip, v carb, coal lam, calc occ ls lam intrbd w/COAL, blk, vit, blky, pyr
4185-4200 SS, lt-md gr-gr brn, vfn-fn grn, sb rnd, md wl srt, hd, wl cem, calc cem + SHL, dk gr-blk, blky, sl frm-md sft, non calc, v carb grd to shly COAL ip, blk, sft, concoid frac, pyr ip, NFSOC
4200-20 pred SHL, md gr, blky-sb plty, sl frm-sl sft, sl pyr ip, calc, scat SS, tn-vfn grn, sb rnd, wl srt, calc cem, scat LS, tn-lt brn-dk gr, mic-fn xln, v foss, scat wht BENT, dull min FLUOR, no shows
4220-40 SLTSTN, tn-lt brn, blky, hd ip to sft/rthy ip, calc grd to v argil slty LS ip, scat SHL, md gr, sb plty, sl frm, sl calc, NFSOC
4240-60 SHL, lt-md gr, blky, sl frm, non calc, slty ip grd to SLTSTN, tn-lt gr, sl frm-sft, rthy ip, calc + SS, crm-tn, vfn-occ fn grn, sb rnd, wl srt, md hd-hd, scat dk gr lith frags, cly fill ip, wl cem w calc, NFSOC
4260-80 SS, crm-tn-mott brn ip, vfn-fn grn bcm md grn near base, sb rnd, md srt, arkos w com dk lith grns, cly fill, calc cem, scat SHL, md gr-gr grn, blky-plty, sl frm, non calc, NFSOC

FORMATION TOPS

OPERATOR: FELLOWS ENERGY, LLC
WELL NAME: CRANE #6-7

FORMATION NAME	SAMPLES		E-LOG		STRUCTURAL COMPARISON – SUTTONS #4-12 SEC. 12-6N-7E
	MEASURED DEPTH	DATUM	MEASURED DEPTH	DATUM	
WASATCH	SURF	6812	SURF	6812	
UNCONFORMITY	1452'	5360	1516'	5296	-122
FRONTIER	1452'	5360	1516'	5296	-122
SPRING VALLEY COAL SECTION	2097'	4715	2098'	4714	+1256
ASPEN SHALE	2234'	4578	2234'	4578	+1224
BEAR RIVER FM.	2614'	4198	2614'	4198	+1226
BEAR RIVER COAL SECTION	4012'	2800	4019'	2793	-757**
**Compared to the Crane #13-8 well located updip and 5000' east in Sec 8-T6N-R8E					

GEOLOGICAL SUMMARY AND

ZONES OF INTEREST

The Fellows Energy, LLC, Crane #6-7 well was spud on April 8, 2004. The well was located approximately six miles west of Evanston, Wyoming along the hanging wall of the Alcock Thrust. The well was designed to locate and core the coals of the lower Frontier and Bear River Formations. The well reached a total depth of 4280 feet in the lower Bear River Formation on May 2, 2004, having achieved all of its objectives.

The primary objectives for the Crane #6-7 well were to core the Spring Valley coal section in the lower portion of the Frontier Formation, and the coal sections in the middle and lower portions of the Bear River Formation. Coring was done with a wireline retrievable coring system so as to collect the most valid coal desorption values possible. Secondary objectives included coring the Chalk Creek coals in the middle portion of the Frontier if gas shows were seen while drilling, coring the interval through the middle of the Bear River Formation that exhibited shows in the Crane #13-8 offset well, and the analysis of a potential updip pinch-out of a thick (70 foot) sand developed at the top of the Bear River Formation in the Suttons #4-12 well. The Quaneco, LLC Suttons #4-12 well in Section 12-T6N-R7E was used for structural comparison.

Geological supervision with gas detection began at a depth of 1300 feet, approximately 150 feet above the regional unconformity. The upper portion of the hole was drilled with water. A KCL-based mud system was initiated around 1000 feet, and continued through total depth. The KCL system was utilized to inhibit the shale as moderate to severe hole washout was seen in the offset wells. The hole was drilled with no major mechanical problems. The caliper logs indicated that the KCL mud system was very successful as the well appeared to have minimal washouts.

Due to hole deviation out from under the surface casing, a conventional BHA and insert bit were used to drill from 714 feet to 1384 feet. The wireline retrievable coring system was run in the hole at 1384 feet, but the PDC bit used with the retrievable coring system did not perform as planned. The hole was therefore conventionally drilled from 1515 feet to first coring depth at which time the coring system was used to core the Spring Valley coal section from 2113 feet to 2255 feet. A conventional BHA was again utilized from 2255 feet to 3510 feet. Continuous cores were cut from 3510 feet to 3746 feet in the upper coal section of Bear River Formation. A conventional BHA was utilized to drill from 3746 feet to 4006 feet. The lower coal section of the Bear River section was cored from 4006 feet to 4186 feet. A conventional BHA was then used to drill the rat hole from 4186 feet to total depth of 4280 feet. In all, 30 cores were cut and recovered from the three cored intervals.

The following are brief summaries of the lithologies encountered in the well. For detailed lithologic descriptions, the reader should refer to either the preceding section or the accompanying geologic log.

Surface casing was pre-set to 525 feet within the Wasatch Formation. From the base of the surface casing to the unconformity at 1452 feet, the well penetrated the expected section of interbedded shale, siltstone and sandstone with minor amounts of limestone. Minor amounts of light gray to white translucent to dark gray opaqe chert were noted associated with the limestone intervals. The shale through the section was light gray to gray green to red brown in part, silty to sandy in part and calcareous. No shows were noted in this upper portion of the hole

The Frontier was penetrated directly below the unconformity at a drill depth of 1452 feet (5360 foot datum). In this well, the Frontier to the top of the Spring Valley Coal section was characterized by the typical interbedded sandstone and shale with occasional limestone stringers. The shale in the upper portion of the section down to 1550 feet was light gray to gray green, waxy and bentonitic shale grading into micaceous bentonite. The shales through the remaining section to the top of the Spring Valley Coals were primarily light to medium gray to pale blue gray in color, blocky in character, moderately firm and slightly to moderately calcareous. A few dark gray to dark brown to black carbonaceous shales were noted through the section, usually associated with a sandstone section. These carbonaceous shales were moderately soft and plastic with a brown greasy streak. Coal stringers and inclusions were also noted within these carbonaceous shales.

The sandstone intervals encountered in the Frontier section were similar in appearance, being medium to light gray, fine to very fine grained, detrital in part, i.e. composed of sands, silt, fossil fragments and carbonaceous fragments, and were moderately calcareous with rare very fine grained pyrite. Only a few very minor shows were noted though the upper portion of the Frontier.

The Spring Valley Coal section was penetrated at a drill depth of 2097 feet with a corresponding datum of 4715, 1255 feet high to the Suttons #4-12 comparison well. This interval was characterized by interbedded shale, carbonaceous shale and coal with occasional silty interbeds. The shale was typically medium to dark gray, silty to sandy in part and slightly calcareous with scattered coal inclusions and local zones of fossil hash (brachiopods). The carbonaceous shale was dark gray to black, moderately firm, slightly calcareous and graded to coals that were black, soft to friable, locally vitreous and commonly fractured with local cleats. An interval of sandstone was cored from 2199 feet to 2219 feet. The sandstone was medium to light gray, fine to very fine grained, modereately to slightly calcareous with fossil fragments and minor carbonaceous inclusions.

The Spring Valley Coal section only had 4 thin coal seams developed in this well for an aggregate total of about 8 feet of coal. In comparison, the Suttons #4-12 well exhibited 8 to 10 coal seams with approximately 28 net feet of coal through the same interval. It appears the lower, better-developed coals seen in the Suttons well were missing in this well, having been replaced by the sandstone interval described in the preceeding paragraph. The shows seen through this interval are summarized in the following table:

DEPTH	ROP	BG GAS	PEAK	C_1 (ppm)	C_2 (ppm)	C_3 (ppm)	C_4 (ppm)
2096'-2100'	5.0/0.9/5.3	2-3 units	49 units	4862	---	---	---
2143'-2157'	20/5.0/50	5-6 units	78 units	7833	---	---	---
2169'-2182'	75/3.0/20	3-5 units	44 units	4454	---	---	---

The Aspen Shale was penetrated at a drill depth of 2234 feet (4578 foot datum), 1224 feet high to the Suttons #4-12 comparison well. The upper portion of the Aspen section down to 2430 feet was characterized by light to medium gray shale that was platy to sub-platy, moderately firm and slightly to moderately calcareous. This interval was also slightly silty in part and exhibited scattered finely disseminated pyrite. From 2430 feet to the top of the Bear River, the shale became predominately dark gray to brown in color, slightly more carbonaceous with a slight increase in pyrite. Thin light gray-white to pale blue gray bentonite intervals were also encountered through this lower portion of the Aspen section.

The Bear River Formation was penetrated at a drill depth of 2614 feet with a corresponding datum of 4198 feet, 1226 feet high to the Suttons #4-12 well. It was initially composed of interbedded shale and carbonaceous shale with occasional silty to sandy interbeds. The shale was medium gray, sub platy, moderately firm, silty and slightly to moderately calcareous and graded locally to carbonaceous shale. The carbonaceous shale was dark gray to black, moderately firm, slightly silty in part and slightly to moderately calcareous. Local stringers were composed of siltstone to sandstone, medium to light gray, very fine grained, moderately to very slightly calcareous. At 2756 feet, the lithology changed to a package of sandstone and siltstone with minor interbedded shale. The sandstone was light gray to white, locally salt and pepper, translucent in part, fine to very fine grained, massive to sub-platy and moderately hard to firm. It graded locally to medium gray brown, light to dark gray siltstone that was firm to moderately hard, locally sandy and slightly calcareous to strongly calcareous in part with calcite veining. Th shale interbeds were dark to medium gray, platy to sub-platy, moderately hard and slightly to moderately calcareous. Only minor gas shows were noted through this interval, and are summarized in the table below.

DEPTH	ROP	BG GAS	PEAK	C_1 (ppm)	C_2 (ppm)	C_3 (ppm)	C_4 (ppm)
2688'-2703'	2.0/1.4/1.8	6-8 units	22 units	2244	---	---	---
3025'-3044'	3.0/1.5/4.8	5-6 units	34 units	3402	---	---	---
3066'-3078'	3.5/2.3/3.1	6-8 units	21 units	2125	---	---	---

The middle coal section of the Bear River Formation was continuously cored from 3510 feet to 3746 feet. The interval from 3510 feet to 3660 feet was composed of interbedded sandstone and shale. The sandstone was primarily light gray, very fine grained grading to siltstone in part, sub-angular to sub rounded, well sorted and well cemented with calcite cement. The shale in this section was primarily medium to dark gray, blocky firm and slightly calcareous. It was also silty to sandy in part, and bentonitic in places and fossilifeous in part. The main interval of interest in this upper section was penetrated from 3660 feet to 3740 feet. It was composed predominately of dark gray to black carbonaceous shale with thin interbeds of coal and coal partings incorporated within the shale. The shale was slightly firm to moderately soft, carbonaceous, slightly calcareous to non-calcarerous and exhibited beds with abundant fossil shells (probable oyster beds). Thin interbeds of pale gray green bentonite were also present throughout. Only minor amounts of coal were recovered through this section. Much of it was shaley in appearance, and only a few beds exhibited good cleating with associated concoidal fracturing. The table below summarizes the shows noted through this coal section while coring.

DEPTH	ROP	BG GAS	PEAK	C_1 (ppm)	C_2 (ppm)	C_3 (ppm)	C_4 (ppm)
3616'-3618'	10.5/2.4/24	1-3 units	31 units	3050	---	---	---
3652'-3655'	26.5/22/46	5-7 units	21 units	2054	---	---	---
3660'-3682'	25/1.7/9.0	2-3 units	20 units	1944	---	---	---
3697'	8.4/2.9/14.1	8-15 units	41 units	4129	---	---	---
3703'	---	6-10 units	57 units	5679	---	---	---
3710'	---	6-10 units	46 units	4625	---	---	---
3717'	---	5-9 units	37 units	3658	---	---	---
3733'	---	4-6 units	24 units	2362	---	---	---

The interval from 3746 to 4006 feet was conventionally drilled and penetrated a section of interbedded limestone, sandstone and shale. The limestone was primarily tan to medium brown in color, moderately to slightly hard and micro-crystalline with abundant fossil shells. The limestone was also argillaceous to very argillaceous in part grading into very calcareous fossiliferous shale. The uppermost limestone interval from 3800 feet to 3820 feet exhibited a trace show consisting of scattered

black dead stain on fracture faces with no associated fluorescence, and only a faint residual ring cut in chlorothene.

The shale penetrated in this interval was medium to dark gray to occasionally dark gray brown, blocky, slightly firm to moderately soft, carbonaceous and fossilifeous in part. The shale had an earthy to silty appearance and was quite soft in places. The sandstones drilled through this section were tan to light gray to light brown, very fine grained, sub-rounded and well sorted. They were composed primarily of quartz grains with scattered dark gray lithic grains, and were moderately hard to hard and well cemented with calcite and possible quartz overgrowth cement. Numerous minor gas shows were noted through this section, most of which were associated with coal stingers or thin coal beds. These shows are summarized in the table below.

DEPTH	ROP	BG GAS	PEAK	C_1 (ppm)	C_2 (ppm)	C_3 (ppm)	C_4(ppm)
3754'-3755'	8.4/4.1/7.7	3-5 units	22 units	2230	---	---	---
3784'-3785'	5.2/1.8/5.8	4 units	16 units	1624	---	---	---
3821'-3832'	6.2/2.1/5.4	4-5 units	53 units	5252	---	---	---
3846'-3848'	6.4/1.5/11.5	3-4 units	23 units	2323	---	---	---
3890'-3892'	4.2/2.1/5.0	3-4 units	29 units	2864	---	---	---
3907'-3913'	9.5/3.5/7.4	4-7 units	54 units	5357	---	---	---
3920'-3924'	8.1/5.0/7.0	6-13 units	32 units	3204	---	---	---
3928'-3935'	6.8/3.2/8.2	5-9 units	34 units	3416	---	---	---
3959'-3986'	6.5/2.5/10.4	6 units	32 units	3157	---	---	---

The lower Bear River coal section was continuously cored from 4006 feet to 4185 feet. The uppermost coal was penetrated at a depth of 4012 feet with a corresponding datum of 2800 feet, 757 feet low to the Crane #13-8 well, located 5000 feet east of the #6-7 location. The interval was composed primarily of shale and carbonaceous shale with thin interbedded coal intervals. The shale was tan to brown to medium to dark gray to black, hard to firm, calcareous and very silty in part and displayed occasional fossiliferous intervals. Numerous thin interbedded very calcareous intervals grading to argillaceous limestone were also logged through this interval. Scattered thin cream to tan colored bedded bentonites were also observed in the core. A number of thin coals were encountered through the cored section, and generally displayed a vitreous luster, were soft and slightly pyritic, and shaly in part. The shows encountered from the coals in this interval are summarized in the table below.

DEPTH	ROP	BG GAS	PEAK	C_1(ppm)	C_2(ppm)	C_3(ppm)	C_4
4008'-4012'	21/1.1/5.2	4-8 units	112 units	11231	---	---	---
4021'-4023'	6.5/1.9/11.4	5-12 units	53 units	5325	---	---	---
4031'-4036'	8.1/1.1/6.5	22-27 units	63 units	6309	---	---	---
4045'-4047'	10/1.7/8.5	17-42 units	64 units	6351	---	---	---
4048'-4050'	8.5/4.5/12.6	42-22 units	66 units	6592	---	---	---
4054'4058'	13.8/4/35.8	22-23 units	62 units	6190	---	---	---
4111'-4113'	28/2.8/5.5	10 units	35 units	3541	---	---	---
4116'-4120'	5.5/3.3/7.0	10 units	40 units	3995	---	---	---
4136'-4141'	48/4.5/12.5	4-8 units	38 units	3812	---	---	---
4160'-4162'	2.8/1.5/4.0	3-5 units	62 units	6212	---	---	---
4168'-4171'	6.5/0.95/2.7	3-4 units	73 units	7310	---	---	---
4180'-4182'	1.8/0.8/1.5	10-15 units	47 units	4720	---	---	---

A thin carbonaceous shale section with a thin coal stringer was drilled from 4188 feet to 4205 feet below the lower-most cored interval. The interval from 4205 feet to 4250 feet was characterized by interbedded silty shale and calcareous siltstone. This siltstone was tan to light brown, blocky and hard to soft and earthy in texture. It was calcareous to very calcareous grading to a very silty argillaceous limestone in part. The lowermost portion of the hole from 4250 feet to total depth was predominately cream to tan colored sandstone that was very fine to fine grained to medium grained near the base. It was composed quartz and lithic grains and appeared clay filled. It was hard and well cemented with calcite cement. No shows were noted in this interval.

DISCUSSION:

The Crane #6-7 well penetrated the expected section consisting of the Wasatch Formation, then into the Frontier Formation below the unconformity and then into the underlying Aspen and Bear River formations. Total depth was 4280 feet in the lower portion of the Bear River Formation.

The primary objectives of the Crane #6-7 well were to core the prospective coal intervals in the Frontier (Spring Valley Coal section) and the Bear River formations for gas desorption analysis. A wireline core retrieval system by Corion Systems was utilized to reduce the amount of time between cutting the coal and getting them into desorption canisters. The continuous coring system worked very well with close to 100 percent core recovery. Penetration rates ranged from less than one foot per hour to up to ten feet per hour while coring. This slow penetration rate precluded the ability to core as much of the well as originally planned, but still, most if not all the target coals were cored. Ticora Geosciences performed the core and coal desorption analyses. Secondary objectives included coring the Chalk Creek coals in the middle portion of the Frontier if gas shows were seen while drilling, and to analyze the updip pinch-out of the sand at the top of the Bear River encountered in the Suttons #4-12 well.

The few thin coals encountered in the middle portion of the Frontier (Chalk Creek section) exhibited only very minor shows, so no coring was done through this interval.

The Spring Valley coal section in the lower portion of the Frontier formation exhibited much less coal than anticipated based on the Suttons #4-12 comparison well. The Suttons well exhibited 8 to 10 coal seams with approximately 28 net feet of coal while this well had only 4 thin coal seams developed for an aggregate total of about 8 feet of coal. The lower coal section seen in the Suttons well was missing in this well, having been replaced by sandstone. This sandstone interval could reflect a barrier bar system that may have been developed seaward of the coal swamp.

Thin sandstone with a minor gas show was developed near the top of the Bear River Formation. This sand was also present in the Suttons #4-12 comparison well, but located just below the 70 foot thick sand interval. Hence, the objective sand was completely shaled out at this location, but potentially could be encountered in a structurally advantageous position in a well drilled slightly farther to the west.

The section in the middle portion of the Bear River equivalent to that which exhibited shows in the Crane #13-8 well to the east was cored from 3510 feet to 3746 feet. The upper portion of this section was primarily interbedded shale and sandstone with only minor coal development. The interval of interest from 3660 feet to 3746 feet was composed predominately of carbonaceous shale with coal stringers and thin coal beds. This interval in the Crane #13-8 offset well was described as interbedded coal, limestone and shale and had an associated show with methane, ethane and propane noted on the mudlog. The volume of coal expected based on the Crane #13-8 well was not encountered. The intervals interpreted as coal on the Crane #13-8 density log well may simply have been cycle skip as the interval was moderately washed out.

The lower Bear River coal section was cored from 4006 feet to 4185 feet. There was a thin coal near the top of the section with a good associated gas show, and several smaller coal stringers with lesser shows from 4012 feet through 4060 feet. The interval from 4060 feet to 4130 feet was fairly barren of coal or gas shows. The lower coal section from 4130 feet to 4206 feet displayed 5 or 6 thin coal seams with moderate associated gas shows. In all, this lower Bear River section correlated very well with the offset Crane #13-8 well, and displayed a very similar coal section.

CONCLUSIONS:

While the objective of coring the coal intervals was met, the coals encountered were thinner than expected based on offset logs. Numerous gas shows were noted associated with the thin coals and coal stringers within the carbonaceous shale sections. The gas shows were composed entirely of C1 with no heavier fraction, indicating that any production from the coals in this area would be entirely methane, and very likely would not have any associated liquid hydrocarbon production. The coals with their associated gas shows in the lower Bear River section correlated very well with the Crane #13-8 well, but were thinner than expected. This was true for all the coal section cored in this well. This may very well be due to many of the intervals interpreted to be coals in the offset wells actually being carbonaceous shales with coal partings and thin stringers of coal.

The thick sand objective, which was present at the top of the Bear River Formation in the Suttons #4-12 well, was completely shaled out and missing in this well. The thin sand that exhibited a minor show seen near the top of the Bear River section appeared to be very shaly based on the gamma ray signature. It did exhibit 10 feet of porosity on the density/neutron log, but the actual porosity would be considerably less than the indicated 22% when a shale correction is applied. The resistivity of 5 to 8 ohms is indicative of the zone being wet.

As there was considerably less coal developed in both the Spring Valley and Bear River coal sections than anticipated, and a review of the logs indicated no potential in the sand at the top of the Bear River, it was recommended the Crane #6-7 well be plugged as a dry hole.

It may be possible to drill a location west and slightly downdip so as to encounter the sand at the top of the Bear River in an advantageous position. However, prior to drilling another well, it is recommended additional seismic be acquired so as to better map the structure and stratigraphic position of both the coal sections and any potential sand bodies present in the Bear River section.

Jason G. Blake
AAPG CPG #5633
Wyoming PG #3295
Utah RPG #2250
Consulting Geologist

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: NA Fee
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
7. UNIT or CA AGREEMENT NAME: NA
1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER
8. WELL NAME and NUMBER: Crane 6-7
2. NAME OF OPERATOR: Fellows Energy Ltd.
9. API NUMBER: 4303330053
3. ADDRESS OF OPERATOR: 807N Pinewood Circle CITY Price STATE Ut ZIP 84501
PHONE NUMBER: (435) 650-4492
10. FIELD AND POOL, OR WILDCAT: Wildcat
4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2,363' FNL 1,970' FWL
COUNTY: Rich
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 7 6N 8E
STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 5/15/2005	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☑ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well was P&A May 3, 2004. This location is supposed to be reclaimed by May 3, 2005. It is requested that this date be extended to September 15, 2005. The unusually wet fall and winter and spring leave conditions too wet at this time. The fluids remaining in the reserve pit will begin to be trucked to disposal on or about May 15, 2005 and reclamation will proceed over the summer with seeding occurring by September 15, 2005.

Approved by the
Utah Division of
Oil, Gas and Mining
Date: May 4, 2005
By: Lisha Cordova

NAME (PLEASE PRINT) Clifford Murray TITLE Exploitationist
SIGNATURE Clifford Murray DATE 5/2/2005

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

5/5/05 Copy to Cliff Murray
Fellows Energy

From: Lisha Cordova
Subject: Fwd: RE: Fellows Energy

>>> "Sewell, James" <jsewell@fmc-slc.com> 05/04/05 5:20 PM >>>
Lisha,

It is OK by us. We would like to see all of the fluids gone by June 1. Also, I would like to have all of the dirt work done by August 15, as we will have cattle in there after that.

We will use a similar seed mix to the one I proposed for the State Section. The poundage on that will be approximately.

Species	Pounds PLS/Acre
Alfalfa	2.0
Sanfoin	0.5
Small Burnett	0.25
Cicer Milkvetch	0.5
Intermediate Wheatgrass	1.0
Great Basin Wildrye	1.0
NewHy Wheatgrass	1.0
Fourwing Saltbush	0.5
Forage Kochia	0.5
Hobble Creek Sage Brush	0.5
Total - Approx	~~8.25~~ 7.75

Application Method - fall broadcast (+ 10 per Acre)

Thanks for keeping me in the loop on the Crane 6-7 extension filing. If you have any questions or concerns, let me know.

James Sewell
DL&L

-----Original Message-----
From: Lisha Cordova [mailto:lishacordova@utah.gov]
Sent: Wednesday, May 04, 2005 10:57 AM
To: Sewell, James
Subject: Fellows Energy

Hi James,

Fellows has been granted a reclamation extension for the Crane 6-7 well site, see attached sundry. Let me know if you have any concerns. Fellows should be working with you (DL&L) throughout the reclamation process, I plan to visit the site toward the end of May, I will need access so I will contact you when I plan to come out.

Thanks, and take care!

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

May 31, 2005

Fellows Energy, LTD
370 Interlocken Blvd, Suite 400
Boulder, CO 80021

RE: Operator Plugging Bonds #04-006 (CD#353103303510 and CD #353103303528)

Dear Sirs or Madams:

The Division of Oil, Gas and Mining (the Division) sent notice via phone calls and e-mail to Steve Prince in July 2004 stating the two CD's would not qualify as a blanket bond for Fellows Energy, LTD (Fellows) until two years audited financial statements and the most current quarter financial statement are provided. (See Rule R649-3-1-6.4 attached) or a surety to meet the requirement of blanket bonding.

To date, you have used $105,000 of the $120,000. The Division has not released the 10-33C2 and the Crane 6-7 as reclamation is not completed. Details of the requirements for reclamation can be obtained from Lisha Cordova at (801) 359-5296. Upon completion of the reclamation, Fellows will need to request these two well sites be released from the plugging bond.

The wells now attached to Bond #04-006 are the 11-33C2 @ 1800'; the 12-33C2 @ 2400'; the 10-33C2 @ 1800'; the Crane 6-7 at 5000' and the Bolinder 2-2 @ 3900'.

If you have other questions, please call me at (801) 538-5336.

Sincerely,

Earlene Russell

Earlene Russell
Engineering Technician

Attachment
cc: Dan Jarvis, DOGM Technical Services
Lisha Cordova
Ed Bonner, TLA
George Young
Steve Prince
Cliff Murray

Division of Oil, Gas and Mining

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☒ Well File Crane 6-7 ☐ Suspense ☐ Other

(Return Date) _____

(Loc.) Sec 7 Twp 6N Rng 8E (To-Initials) _____

(API No.) 43-033-30053

1. Date of Phone Call: 7/20/05 Time: 3:00

2. DOGM Employee (name) L. Cordova (☐ Initiated Call)

Talked to:

Name Lorna James (☐ Initiated Call) - Phone No. (307) 673-1500 ext. 10

of (Company/Organization) Questar

3. Topic of Conversation: Fellows Energy - Desig. Op, planning to move water from reserve pit & begin site reclamation.

4. Highlights of Conversation:

Op initially planned to move water in 5/2005, site reclamation extension granted to Sept. 2005 on May 4, 2005.

From: Lisha Cordova
To: "cliffmurray@fellowsenergy.com".mime.MNET
Date: 9/20/2005 10:51:05 AM
Subject: RE: Crane 6-7/43-033-30053

Hi Cliff,

Thanks for the information. Please make sure the reclaim work is conducted in accordance with your landowners agreement, and let me know when the site is ready for inspection.

Thanks & take care!

>>> "Cliff Murray" <cliffmurray@fellowsenergy.com> 9/20/2005 10:27 AM >>>
Lisha, no it is not reclaimed yet but the pit has been emptied and it is ready to reclaim. Steven is sending money to Terry Pruitt today to get him started and I have a call in to him to see when he can start. Thanks.
Cliff

-----Original Message-----
From: Lisha Cordova [mailto:lishacordova@utah.gov]
Sent: Monday, September 19, 2005 10:51 AM
To: Clifford Murray
Subject: Crane 6-7/43-033-30053

Hi Cliff,

The Division granted Fellows a reclaim extension for the above referenced site to Sept. 15, 2005. Is the site reclaimed & ready for inspection?

CC: jsewell@fmc-slc.com

9/28/05 Terry Pruitt/DL&L, started reclaim work on 9/27/05, will call me when grade & seed is complete for inspection.

From: Lisha Cordova
To: "nonapi@iwworks.com".mime.MNET
Date: 10/13/2005 9:04:12 AM
Subject: RE: Crane 6-7 and 10-33C2

Hi Cliff,

I'll get in touch with Terry Pruitt/DLL to notify me when the site has been seeded before taking a trip out.

Please notify Mark Jones (DOGM Price Office) when the 10-33C2 well site is reclaimed, seeded, and ready for inspection. His phone number is (435) 613-1146/ext. 204 or markjones@utah.gov.

Thank you!

>>> "Cliff Murray" <nonapi@iwworks.com> 10/12/2005 4:52 PM >>>
Just another note. DLL has probably not reseeded yet.

-----Original Message-----
From: Lisha Cordova [mailto:lishacordova@utah.gov]
Sent: Wednesday, October 12, 2005 4:45 PM
To: nonapi@iwworks.com
Subject: Re: Crane 6-7 and 10-33C2

Thank you Cliff, I'll run out & take a look at the reclaim job as soon as I can.

Take care!

>>> "Cliff Murray" <nonapi@iwworks.com> 10/12/2005 4:19 PM >>>
Ms. Lisha,
I talked with Terry Pruitt and he said the reclamation is done on the Crane 6-7 so I'll follow up with getting a release from DLL. DLL has already been paid for the seeding.

Garfield County Well:
The 10-33C2 is not reclaimed yet but I received a seeding mix from SITLA today and so reclamation will start shortly. I'll call Clark Howard and see what day he'll be starting and let you know.

Thanks.
Cliff

CC: Dan Jarvis; Mark Jones

DESERET LAND AND LIVESTOCK
PO Box 250, Woodruff, UT 84086, (435) 793-4288

Memo

To: Cliff Murray
Fellows Energy
From: James Sewell
CC: Lisha Cordova
RE: Crane 6-7 Reclamation / 43-033-30053

Cliff,

As of October 21st, all of the reclamation work on the Crane 6-7 location has been completed. Terry Pruitt has completed the necessary dirt work. Deseret Land and Livestock has completed re-seeding the location. We used a mix of grasses, forbs, and shrubs, that should blend in well with the native vegetation

As per our agreement, DL&L will assume any future responsibility for re-establishing vegetation on the site. Fellows Energy has fulfilled their obligation to the landowner, in terms of returning the site to an acceptable condition. I will send a copy of this memo to Lisha Cordova, with the Utah Department of Oil, Gas, and Minerals.

Thanks,

James Sewell
Area Foreman
Deseret Land and Livestock

RECEIVED
OCT 25 2005
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: ML48334

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

7. UNIT or CA AGREEMENT NAME: NA

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: Crane 6-7

2. NAME OF OPERATOR: Fellows Energy Ltd.

9. API NUMBER: 4303330053

3. ADDRESS OF OPERATOR: 807 N pinewood Circle CITY Price STATE Ut ZIP 84501

PHONE NUMBER: (435) 650-4492

10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2,363' FNL 1,970' FWL

COUNTY: Rich

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 7 6n 8e S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: 10/21/2005	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☑ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Well site has been reclaimed and reseeded (see attached letter of release of liability from surface owner Deseret Land and livestock. .

NAME (PLEASE PRINT) Clifford Murray TITLE Exploitationist

SIGNATURE [signature] DATE 12/15/2005

(This space for State use only)

RECEIVED
DEC 29 2005
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

DESERET LAND AND LIVESTOCK
PO Box 250, Woodruff, UT 84086, (435) 793-4288

Memo

To: Cliff Murray
Fellows Energy
From: James Sewell
CC: Lisha Cordova
RE: Crane 6-7 Reclamation

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Thanks,

James Sewell
Area Foreman
Deseret Land and Livestock